ASDSF 20.2.4.4

# POINT RUSTON

5219 N. SHIRLEY ST. SUITE 100 RUSTON, WA 98407

## RECEIVED

MAY 2 0 2013

OFFICE OF ENVIRONMENTAL CLEANUP

May 15, 2013

Mr. Kevin L. Rochlin Remedial Project Manager U.S. Environmental Protection Agency Region 10 1200 Sixth Avenue, ECL-111 Seattle, WA 98101

RE:

Monthly Report: No. 203, April 2013

Operable Unit No. 02 - Asarco Tacoma Smelter Site

Dear Mr. Rochlin:

Point Ruston is submitting this monthly report per the requirements of paragraph 48 of the Consent Decree for the above referenced site. The report is organized to follow item (a) through (g) of this paragraph.

If you have any questions, please call me at (253) 752-2185, extension 236.

Sincerely,

Loren Cohen

Manager of Legal Affairs

Attachment (2 copies)

cc:

Peter Striplin - Washington Department of Ecology

Evan Griffiths - CH2MHill (2 copies)

Leslie Ann Rose - Citizens for a Healthy Bay

Mike Oelrich - Hydrometrics, Inc.

USEPA SF 1442944

- a) Actions taken to achieve compliance with the Consent Decree during the previous month.
  - Point Ruston personnel and its contractors hosted numerous meetings and conversations with EPA over the month of April, along with many electronic communications related to varying aspects of the project. Work continued on many various RA tasks, including work associated with the following projects:
    - ➤ Phase 1 CMP
    - ➤ Waterwalk CMP
    - > Temporary Cap & Storm Water Management Plan
    - > Sequence of Development Plan & Occupancy Plan
    - Occupancy Air Monitoring Plan
    - ➤ Long Term OMMP
    - CC&Rs
    - Metro Parks Peninsula Park CMP
    - > DNR Sediment Cap RA

Point Ruston conducted an EPA Coordination Meeting on 4/05/13. On the same day Point Ruston and EPA also conducted a pre-occupancy inspection of the Phase 1 area or the site. Then on April 25<sup>th</sup> Point Ruston and EPA conducted a Final Construction Inspection of the Phase 1 CMP area.

- 2. Point Ruston continues to conduct Air Monitoring per the approved plan under the CH&SP, including daily reporting to EPA of TSP results. A new air monitoring plan has been implemented under the SDOP as part of Phase 1 occupancy. Point Ruston has installed additional hi-volume air monitors as well as additional real-time "e-sampler" TSP monitors, which are positioned on site in the locations depicted on the site plan contained in the Air Monitoring Plan.
- 3. Point Ruston and its contractors continued construction of the improvements associated with Phase 1 CMP. Point Ruston has completed and submitted the final Phase 1 RA Construction Report and has submitted a Phase 1 Occupancy plan, which includes a specific Contingency Plan for residential occupants. A Punchlist was created following the April 5<sup>th</sup> EPA inspection. This work was completed over the month of April. EPA approved the Phase 1 Occupancy and Contingency Plan on April 13<sup>th</sup>. On April 25<sup>th</sup> Point Ruston and EPA conducted a Final Construction Inspection of the Phase 1 CMP area, and on the same day Point Ruston submitted its Final Construction Report for the Phase 1 CMP area.

- 4. Point Ruston submitted a plan for opening the Waterwalk to public access and use, which includes a Contingency Plan for such public access and use. EPA approved the plan on April 13<sup>th</sup>. The Waterwalk RA Construction Report was submitted in January.
- 5. EPA issued its condition approval of the TIC Plan on April 22<sup>nd</sup>. Point Ruston continued construction of the final TIC components, including completing areas 12. On April 25<sup>th</sup> Point Ruston submitted the final TIC Plan to EPA in response to the conditions contained in the approval.
- 6. Point Ruston continues to implement work under the Peninsula Park CMP. In April the Tacoma Yacht Club informed Point Ruston of a potential water main break, due to TYC's increased water consumption. Point Ruston investigated this issue and it was determined that none of Point Ruston's actions could have caused the leak.
- 7. On April 22<sup>nd</sup> the City of Tacoma approved the tunnel remediation to be removed from the City approved Work Order plan, resulting in Sheet 47 of the Work Order being updated to state "Removed From Plan" as part of the asbuilt sheet set. Point Ruston plans to submit updated as-built sheets to EPA as part of the Final Construction Report for the MICMP.
- 8. Point Ruston continued to perform all site maintenance and monitoring, including all requirements under the Site Wide Construction Health and Safety Plan, as well as implementation of the OCF OMMP plan.
- 9. Point Ruston continued weekly site-inspection reports (see attached).
- 10. Point Ruston maintained clean work areas and roads, including fencing and CRZ connections between site units.
- 11. Point Ruston conducted training activities for site visitors and workers, including the following:
  - > Site Safety Orientations (Clean Zone) were held for:
    - i. Three Hundred Twenty Five (325) site visitors and personnel of various companies
  - ➤ HAZWOPER annual retraining was verified or completed by personnel of the following companies:
    - i. One (1) Point Ruston employee
  - ➤ Site Specific Safety Training (Exclusion Zone) was held for personnel of the following companies:
    - i. One (1) NW Linings employee

## b) Summary of sampling, tests and all other data received or generated by Point Ruston in the previous month.

1. Storm water Outfall sampling, data and related activities include the following:

Section 2.3 of the Final Statement of Work (SOW) for Remedial Design and Remedial Action – Exhibit F to the Second Amendment requires Point Ruston to continue outfall monitoring. Outfalls will be monitored to determine if the monthly average surface water outfall concentrations for arsenic, copper, and zinc exceed 0.5 ppm at the North and South site outfalls until they are abandoned. The South outfall was abandoned on February 15<sup>th</sup>, 2013.

Weekly composite samples will be collected at each outfall during the construction season. During the winter season, outfall samples will be collected every other month. Asarco began the following schedule in May of 2003, which Point Ruston will continue to implement: weekly composite samples will be collected from April-October, and in December and February.

In addition to the North Outfall, Point Ruston monitors an existing upland station southwest of the Grand Avenue & Ruston Way roundabout. This monitoring station is designated OSW2. Samples were collected by Point Ruston from the outfall locations on April 8<sup>th</sup>, 15<sup>th</sup>, 22<sup>nd</sup> and 29<sup>th</sup>. Results from samples collected are attached. There were no exceedances.

2. OCF leachate sampling, data, disposal and related activities include the following:

Point Ruston collects OCF leachate in a 5,000-gallon polyethylene tank for offsite shipment and disposal. The OCF OMMP requires inspections to correspond with monthly, quarterly, or semi-annual reporting intervals as specified by the Response Action Plan. However, Point Ruston inspects LCRS and LDCRS volumes daily. LCRS volumes currently average approximately 95 gallons per day. Point Ruston currently ships 4,700-5,000 gallons approximately every 50 days. Leachate disposal was not required in April.

3. Air Monitoring, sampling, data and related activities include the following:

Point Ruston performs perimeter air monitoring for arsenic and lead analysis at three locations on the site: NW Corner of OCF, OCF Vault #1 (upper vault), and at the South Gate. With EPA approval, Point Ruston does not conduct perimeter air monitoring during wet weather events that cause wet

site conditions when there are no soil disturbing activities. Additional gravimetric analysis for Total Suspended Particulates (TSP) is being conducted at the South Gate location on a temporary basis. Results for samples collected April 1<sup>st</sup> through April 26<sup>th</sup> are attached. There were no exceedances.

Point Ruston performs personal air monitoring in accordance with WAC 296-848-20060(1) & WAC 296-155-17609(1) (a) to determine if the airborne concentrations of arsenic and lead exceed the PEL. Personal air monitoring (Exposure Evaluations) was not required in April.

Point Ruston is performing monitoring for total suspended particulates (TSP) with a trigger level of  $81 \mu g/m^3$  averaged over a 24-hour period. December 20, 2012 through March 9, 2013, a real-time dust monitor was paired with the South Gate perimeter air monitor. On March 9<sup>th</sup> this real-time monitor was moved to the NW end of Lot 3B near the Waterwalk. A long-term dust monitoring network consisting of three (3) real-time dust monitors was installed on March 15, 2013. TSP data is evaluated and recorded daily. There were no TSP exceedances in April.

4. Methane gas monitoring sampling, data and related activities include the following:

Point Ruston performs subsurface methane gas monitoring pursuant to the EPA approved "Building 2B Sampling & Analysis Plan – Subsurface Gas Monitoring Activities" plan. In 2009 a passive gas extraction system was installed in conjunction with the 2B-West building foundation. Four (4) vent pipes were roughed-in through the floor slab. Sampling at these locations has been ongoing, pursuant to ASTM E2600. The Gas Monitoring Data Log and field worksheet for the month of April are attached. No methane has been detected to date. Methane monitoring of the passive extraction system will continue.

On February 27, 2013 Point Ruston installed four (4) gas monitoring wells within the future boundaries of the 1B foundation and will initial results will be submitted in May's monthly report

5. Miscellaneous soil sampling, data and related activities include the following:

Point Ruston performs miscellaneous on-site soil sampling related to its various ongoing RA work and development. Analysis results are attached.

- ➤ Point Ruston Waterwalk Public Access and Use Plan Protections from Remedial Activities (Section C.3)
  - Soil sampling was conducted on April 17<sup>th</sup> from four (4) haul road locations.
  - Soil sampling was conducted on April 22<sup>nd</sup> from one (1) haul road location.
- Soil sampling was conducted on April 24<sup>th</sup> from the back edge of the shoreline armoring where it meets the landscaped portion of the Waterwalk.
- Final cap sampling was conducted on April 9<sup>th</sup> from imported pea gravel for under slab fill at building 2B-East.
- c) Work Plans and other deliverables completed and submitted during the previous month.
  - 1. Plans and Documents included the following:

#### Temporary Cap Plan & Site-Wide Storm Water Plan

EPA approved the conceptual temporary cap plan and storm water plan, including plans and specifications, and approved the installation of the system on the south end of the site. A formal Temporary Cap and Site-Wide Storm Water Plan (TIC Plan) has been updated and has been resubmitted in January, construction continues on the areas previously approved by EPA. An updated TIC Plan was submitted on February 8, 2013 during EPA Coordination Meeting. The final TIC Plan was submitted during the 3/01/13 EPA Coordination Meeting. EPA issued condition approval of the TIC Plan on April 22<sup>nd</sup>. On April 25<sup>th</sup> Point Ruston submitted the final TIC Plan to EPA in response to the conditions contained in the approval.

#### Construction Health & Safety Plan v.6 (CH&SP)

Point Ruston submitted an updated version 6 of the CH&SP and has implemented this plan as the active CH&SP for the site. Per a conversation with EPA comments will be forthcoming.

#### Waterwalk CMP

This plan was approved by EPA. Point Ruston has responded to final comments from the City of Tacoma. A plan for opening the Waterwalk to public access and use has been submitted in January, which includes a Contingency Plan for such public access and use. The Waterwalk Access and Use Plan was submitted on 12/06/12. The RA work along the Waterwalk is complete and Point Ruston is finalizing some of the last aspects of the public amenities. The Waterwalk Stage 1 Area was opened on 3/01/13. Point

Ruston submitted the Waterwalk CMP Draft Construction Report during the 3/08/13 Coordination Meeting. Stage 2 access and use is tentatively scheduled to coordinate with the opening of the Copperline project being built under the Phase 1 CMP. Point Ruston submitted the Waterwalk Public Access and Use Plan on 4/03/13. Point Ruston submitted their response to EPA comments related to the Waterwalk Occupancy Plan at the EPA Coordination meeting on 4/05/13, which EPA approved on April 13<sup>th</sup>.

#### Phase 1 Construction Management Plan (CMP)

Point Ruston submitted minor updates to the Phase 1 CMP to EPA on 12/19/2012, for which we received EPA approval on 2/11/13. Point Ruston has submitted a Final Phase I RA Construction Report in January, which has been approved by EPA. The Phase I Occupancy Plan has also been submitted, which includes a specific Contingency Plan for residential Point Ruston submitted the Draft Construction Report for the Phase 1 CMP and resubmitted the FEMA Evacuation Plan during the 3/15/13 EPA Coordination meeting. Point Ruston submitted an amended Phase 1 Occupancy Plan at the EPA Coordination meeting on 4/05/13. Point Ruston also submitted its response to EPA comments related to the Occupancy Plan at this meeting. A "Pre-Final Construction Inspection" per SOW 3.2.1 was conducted following this meeting, and EPA approved the Phase 1 Occupancy and Contingency Plan on April 13th. On April 25th Point Ruston and EPA conducted a Final Construction Inspection of the Phase 1 CMP area, and on the same day Point Ruston submitted its Final Construction Report for the Phase 1 CMP area.

#### **Master Infrastructure CMP (MICMP)**

Construction of the MICMP is substantially complete. Point Ruston submitted a design addendum related to the abandonment of the tunnel to the City of Tacoma, which was approved. Point Ruston has also reviewed asbuilt submittals with City of Tacoma staff, and incorporated Tacoma comments to the final as-built plans. Point Ruston will submit a draft construction report to EPA for its review and final inspection related to Certification of Completion for this phase of work, which include a final opportunity to review final as-builts. This Draft Construction Report will seek Certification of Completion for the RA competed on this Phase of the Site.

#### Ruston Way CH&SP Plan

Completed and submitted to EPA for Ruston Way opening. Approved, and roadway opened on 6/29/12. EPA granted formal, written approval of the plan on 12/18/2012.

#### Sequence of Development and Occupancy Plan (SDOP)

The SDOP submitted to EPA, to include a new Contingency Actions section, per EPA request. EPA has responded with comments and an updated plan has been submitted to EPA on February 8<sup>th</sup>. The plan includes an updated occupancy air monitoring plan, as well as all other health and safety measures that are to be incorporated in all future CMPs for future occupancy procedures. A revised Development & Occupancy Plan was submitted at the 3/01/13 EPA Coordination Meeting. Point Ruston submitted a revised SDOP at the EPA Coordination meeting on 4/05/13, as well as a response to EPA comments, and on April 12 EPA approved the SDOP (including formally approving the Air Monitoring Plan).

#### **Operations Maintenance and Monitoring Plan (OMMP)**

The OMMP was submitted to EPA on 09/04/2012. Point Ruston has received EPA comments on 02/27/13 and is working on a response at this time. Point Ruston entered into a final cost sharing agreement with the City of Tacoma regarding the extra-ordinary costs associated with O&M of the public components associated with the MICMP.

#### CC&Rs

The environmental CC&Rs were submitted to EPA on 09/04/2012. Point Ruston is awaiting final approval.

# Biological Assessment South Outfall Construction (Edwards Street)/ BA South Outfall Flow (Edwards Street)

This work was completed and the construction report will be included as part of the Final Construction Report for the MICMP.

#### **BA Shoreline Stabilization RA**

Post-inspection completion report has been drafted and will be submitted to EPA following final armoring conducted as part of the MICMP.

#### **Sediment Capping RA**

RA work associated with the Sediment Cap was successfully completed and Point Ruston submitted a draft Construction Report, Sediment Phase at the 3/15/13 meeting, as required to receive a Certification of Completion for this work. EPA issued a conditional approval of the Sediment Cap Completion Report of April 12, and on April 25<sup>th</sup> Point Ruston responded to such conditions. EPA states that its certification of completion for this work will be issued at a later date along with DNR's Consent Decree.

#### Peninsula Park CMP

Peninsula Park CMP was submitted to EPA on 09/04/2012. Pre-construction work will begin in anticipation of final Peninsula Park CMP approval, with preliminary grading and SAP of import materials being conducted first. EPA submitted comments to Point Ruston on 10/9/2012, and Point Ruston responded to EPA on 10/10/2012. Point Ruston held a preconstruction meeting on 10/11/2012. EPA submitted additional comments to Point Ruston on 12/04/2012. Point Ruston has discussed the revised CMP with EPA, as well as the process to incorporate the City of Ruston's substantive comments as ARARs so as to continue the process of implementing these components of the RA without excessive cost or delay due to untimely local permit reviews and process.

#### 2. Remedial Action included the following tasks:

#### **OCF** construction activities:

Maintained leachate collection system; Inspected storm drain system, vaults and cover; Maintained the temporary storage area, related to site-wide grading and Temporary Cap construction. Point Ruston agreed with the Town of Ruston to move the materials and equipment away from the frontage of The Commencement apartment building. Relocating the material and equipment has begun and will continue as weather and resources allow.

#### **Stack Hill construction activities:**

Maintain lot grading and final cover in clean, final RA form.

#### Phase 1 CMP construction activities:

Point Ruston completed construction of the RA components and conducted a final construction inspection.

#### Waterwalk CMP construction activities:

Point Ruston completed construction of the RA components of the Waterwalk CMP, but for the remaining 116 ft. on the western-end of the project next to the Metro Parks Peninsula property, which will be completed in conjunction with the work associated with the Peninsula Park CMP. A construction inspection was conducted with Point Ruston and EPA and the Final Construction Report will be submitted. The Waterwalk is open and publicly accessible across approximately 75% of the site's shoreline.

## Temporary Impervious Cap and Construction Storm Water Management Plan construction activities:

Implement the cap in conjunction with the opening and use plan for the Waterwalk, and work westward across the site to implement the temporary cap. The TIC has been completed, but the Lot 14 area, which will be completed as part of the Peninsula Park CMP work (with the trench spoils from this work being placed below the Lot 14 TIC).

#### Site-wide remediation/redevelopment activities:

- Continued surface water controls
- Maintained onsite haul roads and stockpiles
- Maintained erosion and surface water controls; Inspected and repaired silt fence and exclusion zone fencing.
- Continued site-wide dust monitoring and control through site and access road watering, as needed.
- Maintained air-monitoring program per CH&SP requirements
- Continued to maintain Ruston Way Construction Health and Safety protocols, including air monitoring, dust suppression, buffer zone maintenance, fencing and signage.

#### d) Actions scheduled for the next six weeks.

- 1. Continue to work with DNR and EPA to ensure finalization of the Consent Decree between the agencies is accomplished in accordance with the terms of the Point Ruston/DNR settlement agreement, as well as working with EPA to ensure that a Certification of Completion is issued for this work.
- 2. Point Ruston to maintain the Ruston Way Health and Safety protocols, including applying tacifier to all buffer areas with exposed soils, and continuing to monitor for dust.
- 3. Point Ruston to continue implementation of the Waterwalk occupancy controls, as well as any required O&M.
- 4. Point Ruston to continue construction of the Peninsula Park CMP project, including construction of the final capping of the Peninsula as well as construction of the private storm water conveyance system and other related utilities associated with this project.
- 5. Finalizing RD approvals for the following plans and documents:
  - > Final Construction Report Waterwalk CMP
  - ➤ Peninsula Park CMP
  - > OMMP
  - ➤ CH&SP v.6

- 6. Complete and punch work associated with the Temporary Cap and Site Wide Storm System.
- 7. Continue CH&SP air monitoring during RA activities also TSP sampling and analysis and correlating the data for eventual data-ram analysis during occupancy.
- 8. Continue to implement terms of the settlement with Metro Parks Tacoma and the State of Washington regarding the off-site remedial action required under the Consent Decree.

The following Remedial Action tasks are planned to continue:

#### Monitoring:

- a. Outfall sampling (weekly composite samples) during scheduled months
- b. Air monitoring per the Air Monitoring Plan

#### **OCF OMMP activities:**

- a. Continue collection of leachate for offsite disposal
- b. Continue monitoring of leachate volumes

#### Stack Hill activities:

- a. Erosion controls and site maintenance, and maintain roads and landscaping, including mowing, and keep and maintain the landscaping.
- b. Continue sales & marketing effort from sales office

#### Site-wide construction activities:

- a. Maintain roads and stockpiles onsite
- b. Maintain erosion controls
- c. Complete site wide grading and placement of onsite stockpiles and soils in advance of subgrade construction and compaction.
- d. Maintain erosion control BMPs and CH&SP standards

#### Phase 1 CMP

- a. Complete vertical construction
- b. Finalize conditions of occupancy and begin to occupy the building and this phase of the site

#### Waterwalk CMP

a. Maintain erosion control BMPs and CH&SP standards, as well as conduct all necessary O&M inspections and maintenance.

#### Temporary Impervious Cap and Construction Storm Water Management Plan

a. Complete any required punch work, as well as completion of the Lot 14 area in conjunction with the Peninsula Park CMP work.

#### **Sediment Cap RA Construction**

a. Work with EPA to complete all required documentation of this work, including paperwork required for EPA issuance of Certification of Completion and a Consent Decree amend in favor of DNR/State of Washington.

# e) Percentage completion, unresolved delays encountered or anticipated that may affect schedule, and efforts to mitigate delays.

Completion of EPA negotiations on RA schedule modifications and associated matters. Untimely and uncertain review of construction projects and applications by the Town of Ruston interest with Point Ruston's ability to implement many aspects of the on-site remedial action and has delayed review and implementation of certain aspects of the Peninsula Park CMP project.

#### f) Modifications to work plans or schedules proposed to or approved by EPA.

- 1. The Second Amendment to the Consent Decree was finalized and the sale of the property to Point Ruston LLC completed on October 31, 2006.
- 2. Point Ruston and EPA agreed to begin final negotiations of a Consent Decree amendment to include updates to the SOW Schedule, in exchange for an agreement by Point Ruston to complete an interim temporary cap on the site. Discussions are on-going.

# g) Activities undertaken to support Community Relations Plan during the previous month and planned for the next four weeks.

- 1. Point Ruston plans to host the second annual Ruston Way 5k/10k race, which will take place along the Waterwalk and for the first time enable the public to access the Grand Plaza steps near the center of the site.
- 2. Point Ruston continues to work in conjunction with staff from the Town of Ruston and City of Tacoma regarding development plans, which incorporate remediation components for the site.

3. Point Ruston continues to meet with the Town of Ruston, City of Tacoma and Metro Parks to address operation, maintenance, and monitoring issues at the site, including the Waterwalk area which ultimately will be sold to the City of Tacoma and maintained under contact by Metro Parks Tacoma.

### **WEEKLY**

### SITE

### **INSPECTION**

### **REPORTS**

Reference	Date	Description
PEN2013-0324	03/24 - 03/30	Peninsula Weekly Inspection Report
FEIN2013-0324	03/24 - 03/30	(Omitted from March's submittal)
GEN2013-0331	03/31 - 04/06	General Site Weekly Inspection Report
SH2013-0331	03/31 - 04/06	Stack Hill Weekly Inspection Report
STR2013-0331	03/31 – 04/06	Streets Weekly Inspection Report
TIC2013-0331	03/31 - 04/06	Temporary Impermeable Cap Weekly Inspection Report
WW2013-0331	03/31 - 04/06	Waterwalk Weekly Inspection Report
PEN2013-0331	03/31 - 04/06	Peninsula Weekly Inspection Report
GEN2013-0407	04/07 - 04/13	General Site Weekly Inspection Report
SH2013-0407	04/07 - 04/13	Stack Hill Weekly Inspection Report
STR2013-0407	04/07 - 04/13	Streets Weekly Inspection Report
TIC2013-0407	04/07 - 04/13	Temporary Impermeable Cap Weekly Inspection Report
WW2013-0407	04/07 - 04/13	Waterwalk Weekly Inspection Report
PEN2013-0407	04/07 - 04/13	Peninsula Weekly Inspection Report
GEN2013-0414	04/14 - 04/20	General Site Weekly Inspection Report
SH2013-0414	04/14 - 04/20	Stack Hill Weekly Inspection Report
STR2013-0414	04/14 - 04/20	Streets Weekly Inspection Report
TIC2013-0414	04/14 - 04/20	Temporary Impermeable Cap Weekly Inspection Report
WW2013-0414	04/14 - 04/20	Waterwalk Weekly Inspection Report
PEN2013-0414	04/14 - 04/20	Peninsula Weekly Inspection Report
GEN2013-0421	04/21 - 04/27	General Site Weekly Inspection Report
SH2013-0421	04/21 - 04/27	Stack Hill Weekly Inspection Report
STR2013-0421	04/21 - 04/27	Streets Weekly Inspection Report
TIC2013-0421	04/21 - 04/27	Temporary Impermeable Cap Weekly Inspection Report
WW2013-0421	04/21 - 04/27	Waterwalk Weekly Inspection Report
PEN2013-0421	04/21 – 04/27	Peninsula Weekly Inspection Report



H&S OFFICER: DATE:

### **PENINSULA**

Weekly Site Inspection Report No. PEN 2013- ダ 3 2 4

Week of:	Ø3	124	- 93	13Ø	, 2013	Inspector: TIM Rusiner	
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Operable Unit 02 -	· Asarco Tacoma S	Smeiter Site (1	Point Ruston)

Operable	_					na Smelter Site (Point Ruston)
INSPECTION AREA	CO	VERA NDIT CHECK O	ION	REP	ED AIR? CK ONE)	COMMENTS/OBSERVATIONS
Fence: Perimeter Exclusion Zone Silt  Source Area: Drainage BMPs Equipment Metro Parks Materials	Good	Fair	Poor	Yes	No No	REPLACED 2 CONDECTING BRACKETS  SHORT SECTION NEAR NEWDOF BOAT STORAGE  STEEL CASINGS ALONG EDGE OF EXCAULTION
Haul Road: Road Base Gravel Cover Drainage Metro Parks Materials	Good	Fair	Poor	Yes	No	METRO PARKS MATORIANS ANDS CROWN OKNY
Peninsula Liner: Geomembrane Gravel Cover Marker Fabric Drainage	Good	Fair	Poor	Yes	No	PENDING PENDING PENDING (SEE NOTES BELOW)
Other Features: Shoreline Armoring Habitat Basin City Outfall	Good	Fair	Poor	Yes	No No	

Misc. notes: ANCHO	R TRENCH AL	UNG ASDA	IXLT	Is Full	L OF 51	BOINEUT
FROM EROSION (	3/4"-1" FROM	NTODOF	ASOHAL	D. MAY	OVERF	LOW AT
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PLASTIC ON SLODE	BEHIND BOHT	STORAGE	AREA	NEEDS	REDAIRE	).
I certify that this report is tr			_			
INSPECTOR: DATE:	3/26/13	SIGNED:				

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SIGNED:



## **GENERAL SITE**

### Weekly Site Inspection Report No. GEN 2013- Ø331

Week of: 3/3) - 4/6, 2013 Inspector: The Ruster Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

Operable	_					na Smelter Site (Point Ruston)
INSPECTION AREA	CO	VERA NDIT CHECK O	ION	REP	EED AIR? CK ONE)	COMMENTS/OBSERVATIONS
Gates: Slag Peninsula 52 <sup>nd</sup> Street 54 <sup>th</sup> Street (electric)	Good	Fair	Poor	Yes	No V	(See "Streets" Report for additional gates)
Signage: Gates Perimeter Safety	Good	Fair	Poor	Yes	No V	
Security: Locks Alarms Cameras	Good	Fair	Poor	Yes	No V	GENRING UP FOR PUBLIC ACLESS TO WATERWALK
BMPs: Silt Fence Waddles	Good	Fair	Poor	Yes	No	
Nursery: Plants Sprinkler Weeds	Good	Fair	Poor	Yes	No	OFF FOR SEASON - BRIEN PIPES
Stockpiles: Envirotac II Plastic Packed Grass	Good	Fair	Poor	Yes	No V	N/A TOPSULL COMMON BURROW
Dust: Traffic areas Excavation area	Good	Fair	Poor	Yes	No	NEED EXITIGATES WITTERDON AFTERHOOMS.
Fencing: Site Perimeter Zone Separation	Good	Fair	Poor	Yes	No	REPARING AS NEEDED/REMOVING AS NEWDOD
CRZs: Area D (Other)	Good	Fair	Poor	Yes	No V	1
Haul Roads:  Main Street  Grand Ave.  OCF road  Metr.Pks-Peninsula	Good	Fair	Poor	Yes	No V	RESTRICTORS ACCESS - HMALTRUCKS

# GENERAL SITE - Weekly Site Inspection Report No. GEN 2013- ∅ 3 3 / Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

Misc. notes:	OUTFAL 5	AMPLIN'S	BEEWS	THRU (	DCTOBER	
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MONED E	52 Rek-Tu	ne Durt M	ONTICE OUR	C FENC	& FROM T	I.C. 17 AREA
TO WATER	where for	LIUFE 1	(4/3)			··
OPENED	WATERWALK	< To Puz	LA FUR PUB	uc Acce	(4/5)	)
					<del></del>	·

Air Monitoring:

7.11	r ivioni	HOI	mg:				
	Day of W	eek '	Hi-Vol QTY	Real Time	Personal QTY	Portable QTY	Air Monitoring Notes
	Sun 3	31	Ø	4	Ø	Ø	NO WORK ACTIVITY
	Mon 4	4	4	T	Ø	Ø	INSTALL LINER AT LOT# 9+11. GRADING LOT 18 FOR T.I.C.
	Tue	2	4	7	Ø	Ø	PAVING ISLAND VIEW: WASTESOIL GRADWA 17418 +15: 411
	Wed	3	4	7	Ø	Ø	WASTE SOIL EXCAVATION +GRADING ON LOTS 17+18, UTILYTY TRENCH + LINER INSTALL AT 13.
	Thu 1	4	4	7	Ø	$\varphi$	GRADING WASTEr SOILS ON LOTS 17418.
	Fri	5	4	4	Ø	Ø	WET CONDITIONS. MINIMAL SOIL WORK.
	Sat (	0	1	4	Ø	_	LOT 1A HI-VOL RANTHROUGH WEEKEND (HO WORK)

WEATHER:

D	P 357 1.					Sum	mary o	of Weather Conditions
Day of	Week	TEMPERA LOW	TURE (F)	DIRECTION	AVERAGE	GUST	RAIN (INCHES)	OTHER
Sun	3/31	46	7ø	ENE	2	16	Ø	MOSTIN SUNDY
Mon	4/1	7	67	SW	4	13	Ø	OVERCAST
Tue	2	48	62	SW	3	100	$\langle \mathcal{S} \rangle$	OVERCAST HIGH CLOUPS
Wed	3	45	64	N	2	7	Ø	MOKNING CLONDS / HIGH CLOUD CEILING
Thu	4	48	<u>-58</u>	SSW	2	17		MORNING CLORDS /AFTERMOON SHOWERS
Fri	5	48	62	SSW	5	20		MCRHING, + EVEN, U. RAW AFTERNESH BREAK
Sat	6	44	54	S	6			SCATTERED RAIN SHOWERS

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

INSPECTOR: DATE:	4/8/13	SIGNED:	
H&S OFFICER: DATE:	4/8/13	SIGNED:	

**STACK HILL** 

Weekly Site Inspection Report No. SH 2013- Ø33/

Week of: 0B131 - ON 106, 2013 Inspector: Harry Shaughter

Operable	Unit (	)2 –	Asa	rco	Гасо	ma Smelter Site (Point Ruston)
INSPECTION AREA	CON	VER	AL TON	NI REI	EED PAIR? eck one)	
Streets:  Villard St.  Court St.  Commercial St.  Baltimore St.  49 <sup>th</sup> St.  Tract A (private)  Lot #18 (private)	Good- V/ V/ V/ V/ V/	Fair	Poor	Yes	No V	
View Point: Parking Pad Gravel Path Display Boards	Good	Fair	Poor	Yes	No V	
Storm Drains Clean: Catch Basins	Good	Fair	Poor	Yes	No	
BMPs: Hydroseed (Other)	Good	Fair	Poor	Yes	No V	
Sidewalks: Damage Weeds	Good	Fair	Poor	Yes	No	
Signage: Perimeter "Advisory" No Trespass (Tunnel Hillside)	Good	Fair	Poor	Yes	No.	
Dust: Excavation Areas	Good	Fair	Poor	Yes	No	
Fencing: 4' Site Perimeter 6' Temp. Panels	Good	Fair	Poor	Yes	No	NIA
Street Lights: Condition	Good	Fair	Poor	Yes	No	
Site Markers: Lot Numbers Utilities Survey Stakes	Good	Fair	Poor	Yes	No No	See Notes
Retaining Walls: Baltimore Lots 22/23/24	Good	Fair	Poor	Yes		See Notes

### 

	s (90 lot# 23	
<del></del>		
<del></del>		
· · · · · · · · · · · · · · · · · · ·		
<del></del>		
ertify that this	report is true, accurate and co	omplete, to the best of my knowledge and belief.



# Weekly Site Inspection Report No. STR 2013- Ø33/

Week of: 03 131 - 04 106, 2013 Inspector: Harry Structure Operable Unit 02 - Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION (* CHECK ONE)	NEED REPAIR?	COMMENTS/OBSERVATIONS
Streets: Surface Paint Splitter Islands Barricades	Good Fair Poor	Yes No	
Signage: Trespass Advisory Traffic Marketing	Good Fair Poor	Yes No	See Notes
Street Lights: Ruston Way 51 <sup>st</sup> Street Baltimore Yacht Club Junction Boxes	Good Fair Poor	Yes No	See Notes
Storm Drains: Curb/Gutter CBs Filterras	Good Fair Poor	Yes No	
Sidewalks: Paint Crossings Bollards	Good Fair Poor	Yes No	
Landscaping: Trees Plants Sprinkler Bark/Mulch	Good Fair Poor	Yes No	
Roundabouts: Grand Yacht Club	Good Fair Poor	Yes No	
Features: Wall/Rail Development Sign	Good Fair Poor	Yes No	

### `TREETS - Weekly Site Inspection Report No. STR 2013- Ø33/ Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

O 1' D 1	Good	Fair	Poor	Yes	No								-		
Cooling Pond – West			<del>                                     </del>												
Cooling Pond – North					1/										
Lot #12	V				1		<del></del>								
Lot #10 – West	V				1/										
Lot #10 – North	V				1/										
BNSF – A	1														
OSW02	V														
Grand – East	1				1/										
Grand - West	1				1//										
Cascade	1/				<del>\/  </del> -	<del></del>									
Yacht Club - North	1//														
Yacht Club – South	1				V/										
					V										
Other:	Good	Fair	Poor	Yes	No/										
Roundabouts	//				7			<del></del> .						<del></del>	
Jersey Barriers	//														
Baltimore Bridge	1/														
·															
	och	آنے ر ا و	Gran	reger	of 49th	ST	e #	Ru	ste	100	ر)در	y			
Misc. notes: Traffic Sign for	pqoe	i c	Gran	refer	d 49th	ST	e f	Ru	ste	/(14	1)00	4			
	pqoe	l e	Gran	iago	d 49th	ST	e f	Rec	ste	1 (40	1)cc	4			
Traffic Sign Pa light Past dam															
													f.		
Traffic Sign Pa light Past dam			te and		lete, to the	e besi							f.		



## TEMPORARY IMPERMEABLE CAP

Weekly S	Site In:	spe	ction	Report No.	TIC 2013- Ø3 31	
(MM)	(DD)	(MM)	(DD)	•		

Week of: 3 /3| - 4 / 6 , 2013 Inspector: TIM Rustier Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

			سو کونون	_				meter ofte (Form Nuston)
INSPECTION AREA	OV CON	ERA DIT		CLI	EAN?	NE REP		COMMENTS/OBSERVATIONS
Lot 1 Geomembrane Sand Bag Cover Anchor Edge Berm	Good	Fair	Poor	Yes 🗸	No	Yes	No V	
Drainage Other Feder Line	Ý	V		V	V	<i>'</i>	<b>V</b>	CLEAUGO AS MURDED (4/5) DECAS BUILDS UP ALONG FENCE FROM WIND.
Lot 3 Geomembrane Sand Bag Cover Anchor Edge Berm	Good	Fair	Poor	Yes	No	Yes	No No	
Drainage Other FENCE LINE	V	<u> </u>		V	V	~	V	(SAME A NOTED IN LOT 1 ABOVE)
Lot 4 Geomembrane Sand Bag Cover Anchor Edge Berm Drainage Other Fence Luc	Good	Fair	Poor	Yes	No	Yes	No	SMALL NAME HOLE. TEMP. GUEGOC. PATCH WITH UR
Lot 5/6 Geomembrane Sand Bag Cover Anchor Edge Berm Drainage Other	Good V	Fair	Poor	Yes	No	Yes	No No	PUNGURE IN 6A CUT BROKERE SIDEWALK CLEANING (4/5)
Lot 7 Geomembrane Sand Bag Cover Anchor Edge Berm Drainage Other	Good	Fair	Poor	Yes	No	Yes	No	PONCTURE IN 7 CHT BALLETON STDEN MIK  CLENUEY (4/5)
Lot 9/11 Geomembrane Sand Bag Cover Anchor Edge Berm Drainage Other Poul	Good	Fair	Poor	Yes	No	Yes	No V	INSTALL CONFLETED THIS WEEK
Lot 14 Geomembrane Sand Bag Cover Anchor Edge Berm Drainage Other	Good	Fair	Poor	Yes	No	Yes	No	PENDING 11 11 POULH FAMDE WSUMA PIT

### TEMPORARY CAP - Weekly Site Inspection Report No. TIC 2013- ゆる3/ Operable Unit 02 - Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OV CON	/ER/ IDIT		CLE	AN?		ED AIR?	COMMENTS/OBSERVATIONS
Lot 16	Good	Fair	Poor	Yes	No	Yes	No	
Geomembrane								PENDING
Sand Bag Cover								11
Anchor Edge Berm							~~	\1
Drainage Other	-		V		y v	V		ROUGH GRADE
Lot 17/18	Good	Fair	Poor	Yes	No	Yes	No	GRADING & FILL IN PROGRESS
Geomembrane							-	
Sand Bag Cover								
Anchor Edge Berm Drainage							-	
Other		V		-				ROUGH GRADE NOT COMPLETED
MMZ (Lot 15)	Good	Fair	Poor	Yes	No	Yes	No	
Stock Piles	<b>/</b>					L	V	
Drainage				$\overline{}$				
Other								CLEMU UD + ORGANIZE MATERIALS
								INPROGRESS

Misc. notes: CHANGANG	FENCE LINES NEED FREQUENT POLICING NOW CONDITIONS. DRAW INLESS FISC NET FOR WIND BLOWN DEGRIS.	FOR
DEBRIS DURING WIN	UNU CONDITIONS. DRAW INLES Proc NE	ED NORE
FREQUENT CHECK F	FOR WIND BLOWN DECRIS.	
	·	
•		

INSPECTOR: DATE:	4/6/13	SIGNED:
REVIEWED: DATE:	4/6/13	_ SIGNED:

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.



### WATERWALK

Weekly Site Inspection Report No. WW 2013- 夕るろ

Week of: 3 /3 - 4 /6 , 2013 Inspector: Tim Rusiler

Operable Unit 02 - Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	COI	OVERAL NEED CONDITION REPAIR (* CHECK ONE) (* CHECK ONE)		CONDITION		ED AIR?	COMMENTS/OBSERVATIONS
Paths: Asphalt Gravel	Good	Fair	Poor	Yes	No No	GOOSE POOP BUILDS UP BETWEEN RAN EVENTS	
Signage: Perimeter/Trespass Perimeter/"No Access" Park Rules (Other)	Good	Fair	Poor	Yes	No No	OPEN SECTION CONERED (WILL HERD MORE)	
Street Lights: Junction Boxes Poles Bulbs Banners	Good  V	Fair	Poor	Yes	No V		
Storm Drains: Area Drains Clean Outs	Good	Fair	Poor	Yes	No V		
Octopus: Tile Grout Paint	Good	Fair	Poor	Yes	No V		
Intersection #1: Tile Grout Paint	Good	Fair	Poor	Yes	No No		
Intersection #2: Tile Grout Paint	Good	Fair	Poor	Yes	No No	PAINT APPEARS UNFINISHED	
Intersection #3: Tile Grout Paint	Good	Fair	Poor	Yes	No ,	ISLANDVIEW GRRIDER PINED TO INTERSE TIOU 3	
Intersection #4: Tile Grout Paint	Good	Fair	Poor	Yes	No	NO PAINT YET	

### 

Sprinkler:	Good	Fair	Poor	Yes	No	MAHATAILED BY LANDSCAPER CONTRACTOR
Heads		,			6	
Valve Boxes	<b>V</b>				1	
Landscaping:	Good	Fair	Poor	Yes	No	
Trees	V				V	
Plants	V				V	
Grass					V	
Bark/Mulch					<b>\</b>	
Hardware:	Good	Fair	Poor	Yes	No	
Cleat Benches					V	
Tables					1	
Trash Cans						NEED CABLES TO ATTACHLIOS TO CANS
Gates:	Good	Fair	Poor	Yes	No	
3B To BE Nort Eerry - South	L					MOURD GATE TO PLAZA (4/5)
TIC - 3/4	·/				V	
Intersection #1	V				1	
Intersection #2	V				V	
Intersection #3		•		/		REMOVED FOR ISLANDVIEW PAVING(JANES
Grand-Plaza						
Intersection #4	V				V	
Peninsula - North	V				V	
Grand Plaza:	Good	Fair	Poor	Yes	No	
Lights					W	
Concrete	V	,		/	'w	JOINTS CAULKED
Rails				<b>✓</b>		GAD AT TOP CORNERS HOUR FILLOW
Big Toy:	Good	Fair	Poor	Yes	No	
Block Wall	V				V	
Sign					100	
Boardwalk/Benches	V				1	
Swings					1	
Chips					·/	
Other:	Good	Fair	Poor	Yes	No	
Coyotes	V			<b>V</b>		1 SHOW, NO WEAR. NEED TO FUD MORE
Tide Pool					V	

Misc. notes (use continuation sheet if necessary):							
OUTFALL GR	EATES PANTED	Ο.					
I certify that this report is true,	accurate and complete, to the	e best of my knowledge and belief.					
INSPECTOR: DATE:	4/6/13	SIGNED:					
REVIEWED: DATE:	4/6/13	SIGNED:					
FORM: WATERWALK-WSIR rev. 0	2/15/13	2					



### **PENINSULA**

Weekly Site Inspection Report No. PEN 2013- ゆ3 31

Week of: 03/31 - 94/96, 2013 Inspector: 11M Rushar

Δ., l.l l.l !4 ΔΔ	A T	A 11 A'1	/B 1 / B / \
Uneranie Unit II 2 —	Agarco Lacoma	Smaltar Sita	(Unint Diictori
Operable Unit 02 –	Addition laborities	Official Office	ir Oilit ixustolii

Operable .	Ollit	VE -	730	100	acoi	na Smeller Site (Point Ruston)
INSPECTION AREA	CO	VERA NDIT CHECK O	ION		ED AIR? CK ONE)	COMMENTS/OBSERVATIONS
Fence: Perimeter Exclusion Zone Silt	Good	Fair	Poor	Yes	No No	
Source Area: Drainage BMPs Equipment Metro Parks Materials	Good	Fair	Poor	Yes	No V	
Haul Road: Road Base Gravel Cover Drainage Metro Parks Materials	Good	Fair	Poor	Yes	No V	
Peninsula Liner: Geomembrane Gravel Cover Marker Fabric Drainage	Good	Fair	Poor	Yes	No	PENDING  11  SIDDE EROSION HAS FILLED AUGILIA TRENGI TO TOD OF PANEMENT, NEEDS GEAJED A.S.D.P.
Other Features: Shoreline Armoring Habitat Basin City Outfall	Good	Fair	Poor	Yes	No V	

Misc. notes: No ACTIVITY DOE TO WET CONDITIONS THIS WEEK.
NOTE: WATER LEAK UNDER PACHT CLUB ACLESS ROAD DOES NOT ASPEAR
CONNECTED WITH (CAUSED By) HAMI TRUCK TRAFFIC.

I certify that this report is true, accurate and c	complete, to the best of	my knowledge and belief.
--	--------------------------	--------------------------

INSPECTOR: DATE:	4/6/1=	SIGNED:
------------------	--------	---------

H&S OFFICER: DATE: 4/6//3 SIGNED:



### **GENERAL SITE**

Weekly Site Inspection Report No. GEN 2013-ダイダフ

Week of: 4 / 7

INSPECTION AREA	CO	VERA	L ION	NE REP	ED AIR?	COMMENTS/OBSERVATIONS
Gates: Slag Peninsula 52 <sup>nd</sup> Street 54 <sup>th</sup> Street (electric)	Good	Fair	Poor	Yes	No V	(See "Streets" Report for additional gates)
Signage: Gates Perimeter Safety	Good	Fair	Poor	Yes	No V	
Security: Locks Alarms Cameras	Good	Fair	Poor	Yes	No V	COPPER SCRAPS + PIPE THEFT REPORTED
BMPs: Silt Fence Waddles	Good	Fair	Poor	Yes	No	
Nursery: Plants Sprinkler Weeds	Good	Fair	Poor	Yes	No V	PIPES NEW REPAIRED
Stockpiles: Envirotac II Plastic Packed Grass	Good	Fair	Poor	Yes	No V	MONED TO ASUIL FROM MMZ TO GRAND
Dust: Traffic areas Excavation area	Good V	Fair	Poor	Yes	No.	·
Fencing: Site Perimeter Zone Separation	Good	Fair	Poor	Yes	No V	REMOVED FENCE AT STAGE IB WATERWALK. HENNY WINDS MAKING MANTENANCE DIFFICULT.
CRZs: Area D (Other)	Good	Fair	Poor	Yes	No	N/A LOT 15 STACK HILL NEEDS CRZ TO PROVED TO
Haul Roads:  Main Street  Grand Ave.  OCF road  Metr.Pks-Peninsula	Good	Fair	Poor	Yes	No V	TRACK DUT

# GENERAL SITE - Weekly Site Inspection Report No. GEN 2013- グ リゆう Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

Misc. notes: ExPRINGUAKE (3.5m): INITIAL DATA INDICATES A NOICATES A NOICATES A NOICATES	2 Signific
EVENT. (4/7)	
REMOVE EZ FENCE AROUND LOT 7.	
S. HI-VOL (LUT 4B) REPLACE MOTOR & CALIBRATE (4/8).	
SAMPLED PEA GRAVEL IMPORTS FOR 2B SLAB FILL (4/9).	

Air Monitoring:

Day of	Week	Hi-Vol QTY	Real Time	Personal QTY	Portable QTY	Air Monitoring Notes
Sun	7	1	4	Ø	Ø	LOT 1A HI-VOL RAN FILWEEKEND / NO WORK ACTIVITY
Mon	8	4	T	Ø	Ø	2B STORM DEMOTREMENT CONNECT + BASES, MMZ WEEK
Tue	9	T	Ŧ	Ø	Ø	LB IMPORT POR GRAVEL /MMZ WORK/PACKT COBUSTICALLS
Wed	JØ	T	7	Ø	<i>r</i> ×	BLANDVIEW & BAY VIEW LANDSCAPING /MMZ CLEANUM
Thu	11	T	ゴ	Ø	Ø	BM VIEW - PLACE SAND IN LANDSCAPE /SLANDS. // INDER INSTALL #18
Fri	12	T	Ц.	Ø	11	LOTS 17+18 LUSTAIL LINER/24 ASPHALT PATCHING. WATERWALK LANDSCALE MANNY SHANCE.
Sat	13	Ø	Τ.	Ø	Ø	No SITE ACTIVITY

#### **WEATHER:**

			Summary of Weather Conditions										
Day of	Week	TEMPER/ LOW	TURE (F) HIGH	WIND (MPH) RAIN DIRECTION AVERAGE GUST (INCHES) OTHER				OTHER					
Sun	ר	39	53	SW	5	.16	1.64	HEAVY MORNING RAIN BREAKS EVENING RAIN					
Mon	8	42	6ø	SSW	5	7		Mostly Cloudy					
Tue	9	40	6¢	SW	3	13	Ø	OVERCAST					
Wed	1Ø	47.	6Ø	SSW	IØ	28	.37	MOSTLY CLONDY AFTERNOON SUN BREAKS					
Thu	11	43	58	SSW	5	ろ		PARTLY CLONDY / AFTERNOON SUN BREAKS					
Fri	12	40	48	SSW	6	32		MOSTLY CLOUDY /AFTERNOON + EVENING PANN					
Sat	13	38	52	SSW	9	3Ø	. <b>\$</b> 4	MOSTLY CLOUDY AFTERNOON SHOWERS					

I certify that this re	port is true, ac	curate and complete	e, to the best of	my knowledge and	belief.

INSPECTOR: DATE:	4/13/13		SIGNED: 🖟
H&S OFFICER: DATE:	4/13/13	· -	SIGNED:



### STACK HILL

Weekly Site Inspection Report No. SH 2013- Ø 4 Ø 7

Week of: 14 107 - 04 1/3, 2013 Inspector: Marry Slaughter Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION		VER.		NEED		The Sitter Site (FOITE Ruston)		
AREA		NDIT			AIR?	COMMENTS/OBSERVATIONS		
Streets: Villard St. Court St. Commercial St. Baltimore St. 49 <sup>th</sup> St. Tract A (private) Lot #18 (private) View Point: Parking Pad Gravel Path	Good V V Good	Fair	Poor	Yes Yes	No V V No No	TRACK DUT FROM LOTS 14,15+16 (MUD)  See Notes		
Display Boards  Storm Drains Clean:	Good	Fair	Poor	Yes	No	(WAS THE MY SEDIMENT)		
Catch Basins  BMPs: Hydroseed (Other)	Good	Fair	Poor	Yes	No No	(WAS TILES, "/SEDIMENT)		
Sidewalks: Damage Weeds	Good,	Fair	Poor	Yes	No			
Signage: Perimeter "Advisory" No-Trespass (Tunnol-Hillsido)	Good V	Fair	Poor	Yes	No V	WA		
<b>Dust:</b> Excavation Areas	Good	Fair	Poor	Yes	No			
Fencing: 4' Site Perimeter 6' Temp. Panels	Good	Fair	Poor	Yes	No	N/A		
Street Lights: Condition	Good	Fair	Poor	Yes	No			
Site Markers:  Lot Numbers  Utilities  Survey Stakes	Good	Fair	Poor	Yes	No	See Motes		
Retaining Walls: Baltimore Lots 22/23/24	Good,	Fair	Poor	Yes	No,			

# STACK HILL - Weekly Site Inspection Report No. SH 2013- © 4 @ 7 Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

Misc. notes:
Information box missing from View Point
Utilities Markers are down or missing (Sewer/Draingo)
Information box missing from View Point  Utilities Markers are down or missing (Sewer/Drainage)  Lott 15: New Construction, Materials, Equipment, Ditty Read/ Sixtewalk.
Let 28. Materials / Equipment B.M.P. Silt tence
hot# 4: Materials / Equipment B.M.P. Silt tence
contify that this remark is two accounts and accounts to the back of continue data.

I certify that this	report is true, a	accurate and comple	ete, to the best of my kno	owledge and belief.	
INSPECTOR:	DATE: <u>()4</u> /	12/2013	SIGNED: Laur	y J. Slaugh	

H&S OFFICER: DATE:  $\frac{4}{13}$  SIGNED:



Weekly Site Inspection Report No. STR 2013- ダタク

Week of: 04 107 - 04 1/3, 2013 Inspector: Horry Staughter Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION (* CHECK ONE)	NEED REPAIR? (* CHECK ONE)	COMMENTS/OBSERVATIONS
Streets: Surface Paint Splitter Islands Barricades	Good Fair Poor	Yes No	
Signage: Trespass Advisory Traffic Marketing	Good Fair Poor	Yes No	See Notes
Street Lights: Ruston Way 51 <sup>st</sup> Street Baltimore Yacht Club Junction Boxes	Good Fair Poor	Yes No	See Notes
Storm Drains: Curb/Gutter CBs Filterras	Good Fair Poor	Yes No	
Sidewalks: Paint Crossings Bollards	Good Fair Poor	Yes No	See Notes
Landscaping: Trees Plants Sprinkler Bark/Mulch	Good Fair Poor	Yes No	3 See Notes
Roundabouts: Grand Yacht Club	Good Fair Poor	Yes No	
Features: Wall/Rail Development Sign	Good Fair Poor	Yes No	

# STREETS - Weekly Site Inspection Report No. STR 2013- 4797 Operable Unit 02 - Asarco Tacoma Smelter Site (Point Ruston)

		<del> </del>			<del>,</del>	
Gates:	Good	Fair	Poor	Yes	No	
Cooling Pond – West	0				0	
Cooling Pond – North	رما	,				Z
Lot #12		1				
Lot #10 – West	V				V	/
Lot #10 – North						
BNSF - A	V					4
OSW02						
Grand – East						
Grand – West					V	
Cascade						
Yacht Club – North	· /				V	Z
Yacht Club - South						
	ν		1			
Other:	Good	Fair	Poor	Yes	No	
Roundabouts					1/2	
Jersey Barriers					1/	
Baltimore Bridge					1	CLOSEN TO VENCLES
<del></del>	1/			•		<u> </u>
Misc. notes: Traffic Sign Por Tire Marks M Burk duopout l	ent #	F H	<u>~</u>		LIGHT Licat	STR & Ruston Way ar Walk entrance
	•			Λ°		9.
۸ ، ۸	_		2 Rc	y V	<u>ew</u>	
Soil in Road	<u>@</u> (	a) Ca	<u>icl</u>	we.	<u>Kou</u>	wake +
light Post do	1 HAG	90	CATO	<u>lar</u>	Ave	- Laurdabout
		¥ .				
•						
- · · - · · · · · · · · · · · · · · · ·						
<u> </u>						
certify that this report is	s true,	accu	rate an	d com	plete,	to the best of my knowledge and belief.
SPECTOR: DATE:	04	//:	2/6	20/3	3	SIGNED: Haughter Slaughter
EVIEWED: DATE:		4/	13/	13		SIGNED:



# TEMPORARY IMPERMEABLE CAP

Wee	kly	Site	Inspection	n Report No.	TIC 2013-	0407	
k of:	(MM)	17	- 4/13	, 2013	Inspector: Tim	Rusher	

Week of:	17	_ 1	111	3	, 20	13		Inspector: TIM RUSHER
	T	02 · VER				NIE	na S ED	melter Site (Point Ruston)
INSPECTION AREA		DIT		CLI	EAN?		AIR?	COMMENTS/OBSERVATIONS
Lot 1 Geomembrane	Good	Fair	Poor	Yes	No	Yes	No	WINDS LIFT LINER ENTIRE LENGTH PARALE
Sand Bag Cover		<b>V</b>		Z		V		NEED MORE BAGS. TO WATER
Anchor Edge Berm Drainage	$\checkmark$			V			V	
Other	V	-		V			V	
Lot 3	Good	Fair	Poor	Yes	No	Yes	No	
Geomembrane Sand Bag Cover				<b>✓</b>	<u> </u>		1	
Anchor Edge Berm	-			/				
Drainage	V			Ż			V	SCREEN CLEANED AS NEEDED
Other								
Lot 4 Geomembrane	Good	Fair	Poor	Yes	No	Yes	No No	
Sand Bag Cover	1	-						
Anchor Edge Berm	1			/		1		SMALL ARBAH WATERWALLOWEGUR ROAD
Drainage Other				V			~	NEEDS (ON
Lot 5/6	Good	Fair	Poor	Yes	No	Yes	No	
Geomembrane	<b>333</b>	1 4.11	1001	<u> </u>	110		1.0	
Sand Bag Cover	V			<b>V</b>			V	
Anchor Edge Berm Drainage	<u> </u>			<u> </u>			<b>V</b>	
Other		V		<u> </u>	<u> </u>		V	SWALL DO LOT 5 FULL OF WATER (PUMPING)
Lot 7	Good	Fair	Poor	Yes	No	Yes	No	OVER DEIEM (NIB DEMONGE COCCESION)
Geomembrane	V			<b>V</b>			-	
Sand Bag Cover Anchor Edge Berm	V	_					1	
Drainage	V			-				(DONE 4/13) B
Other Perimeter	┢		<b>V</b>		V			NEED OLD E.Z. FENCE + DEBLI REMOVED
Lot 9/11	Good	Fair	Poor	Yes	No	Yes	No	
Geomembrane Sand Bag Cover		V	-	V	-	V		SCIENCE DONN SLOPE ALONG YACHT (WS+R.W.
Anchor Edge Berm	<u>                                     </u>			<b>/</b>	-			
Drainage	V			Ż			V	
Other								
Lot 14 Geomembrane	Good	Fair	Poor	Yes	No	Yes	No	D= Ai /
Sand Bag Cover								PEUNING
Anchor Edge Berm		ļ	<u> </u>					· · · · · · · · · · · · · · · · · · ·
Drainage Other		V			V	V		ROUGH SHAPE
Other						<b>1</b>		

# TEMPORARY CAP - Weekly Site Inspection Report No. TIC 2013-グイグフ Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OV CON	VERA NDIT		CLE	AN?		ED AIR?	COMMENTS/OBSERVATIONS
Lot 16 Geomembrane Sand Bag Cover Anchor Edge Berm Drainage Other	Good	Fair	Poor	Yes	No	Yes	No	PENDWG  !! ROUGH GRADE
Lot 17/18 Geomembrane Sand Bag Cover Anchor Edge Berm. Drainage Other	Good	Fair	Poor	Yes	. No	Yes V		BLOWN BACK FROM MAIN AT #18A (4/13) NEED MORE BAGS ON 17418 NO ANCHOR ON MAINST. SIDE (WIND BLOWEDGE) STORM WHIRE SEADING UNDER ROADS & BULDING UD NEAR N. ONTFAM MANHOLE.
MMZ (Lot 15) Stock Piles Drainage Other	Good	Fair	Poor	Yes	No	Yes	No	CLEANUP IN PROGRESS

Misc. notes:
CHAN LINK FENCE LINES NEED DAILY CLEAVING OF WING BLOWN
CHAN LINK FENCE LINES NEED DALY CLEAUNG OF WIND BLOWN DEBRIS (MULTIPLE TIMES DALY DURING WINDY CONTITIONS.
NOTE: SITE CREW RAISED UNHOLE RIM AT M. OUTFAIR SAMULE STATION. TO PREVENT SURFACE WATER INFILTRATION. (FROM LOTE 17 + 18 + MMZ).
TO PREVENT SURFICE WATER INFILTRATION. (FROM LOTE 17 + 18 + MMZ).
DRAW INLETS NEED IMPROVED SCREENS TO REDUCE DERIS BUILD UP + INCREASE DRAWAGE.
BUILD UD + INCREASE DRAINAGE.

INSPECTOR: DATE:	4/13/13	SIGNED:
REVIEWED: DATE:	4/13/13	SIGNED:

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.



## **WATERWALK**

Weekly Site Inspection Report No. WW 2013-0407

Week of: 0417 - 04113, 2013 Inspector: 1 Usar

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	07	VERA	L	NEED		COMMENTS/OBSERVATIONS	
INSPECTION AREA	CONDITION (< CHECK ONE)			REP.		COMMENTS/OBSERVATIONS	
Paths:	Good	Fair	Poor	Yes	No		
Asphalt	1				/	Some aireas slight grave + silt - streep/wash	
Gravel					/		
Signage:	Good	Fair	Poor	Yes	No		
Perimeter/Trespass					1		
Perimeter/"No Access"							
Park Rules	_				/		
(Other)							
Street Lights:	Good	Fair	Poor	Yes	No		
Junction Boxes	/				/		
Poles	/			_	/		
Bulbs	_						
Banners							
Storm Drains:	Good	Fair	Poor	Yes	No		
Area Drains							
Clean Outs			_				
Octopus:	Good	Fair	Poor	Yes	No		
Tile	/	-			~		
Grout	V				<i>i</i>		
Paint	i.				<u> </u>		
Intersection #1:	Good	Fair	Poor	Yes	No		
Tile	1				/		
Grout	/				/		
Paint	1					tike tracks	
Intersection #2:	Good	Fair	Poor	Yes	No		
Tile	-			i	_		
Grout							
Paint						Tike tracks	
Intersection #3:	Good	Fair	Poor	Yes	No		
Tile		<b> </b>			~		
Grout	~			1	V		
Paint	~			ぇー	V	some dist-need westing?	
Intersection #4:	Good	Fair	Poor	Yes	No		
Tile	ン			1	v	some gravel on asphelt near gate 1	
Grout	V		<u> </u>		<i>ر</i>	benches	
Paint	V	<b>!</b>		1	L		

### 

Sprinkler:	Good	Fair	Poor	Yes	No	
Heads	ر ر	-			-	hunning at Insust #2 41311)
Valve Boxes						
Landscaping:	Good	Fair	Poor	Yes	No	
Trees	منعت				/	
Plants	1					
Grass	ン				سنا	repaired areas from time damage not growing ye
Bark/Mulch	<b>~</b>					
Hardware:	Good	Fair	Poor	Yes	No	
Cleat Benches	レ				i	
Tables	V				V	
Trash Cans	U				i	
Gates: B To Bear it Ferry South	Good	Fair	Poor	Yes	No	
_Ferry - South					,	
TIC – 3/4	<u> </u>				/	
Intersection #1	سسب				_	
Intersection #2	٠					
Intersection #3			Ċ			temp fence at this time
Grand Plaza	٠				<b></b>	
Intersection #4	<b>1</b>				4	gravel.
Peninsula - North						
Grand Plaza:	Good	Fair	Poor	Yes	No	
Lights	<u> </u>				~	
Concrete	レ				レ	
Rails	<u> </u>				i	
Big Toy:	Good	Fair	Poor	Yes	No	
Block Wall	i					
Sign	<u>ر</u>				<u> </u>	
Boardwalk/Benches	レ				i	
Swings	L				U	
Chips	し				レ	
Other:	Good	Fair	Poor	Yes	No	
Coyotes	1				<u>ب</u>	
Tide Pool	<b>'</b>				<b>ر</b>	

Coyotes Tide Pool			
Misc. notes (use contin	uation sheet if necessary	):	
ertify that this report is to	ue, accurate and complet	e, to the best of my knowledge and belief.	
SPECTOR: DATE:	4/12/13	SIGNED: Salfille	4
EVIEWED: DATE:	4/13/13	SIGNED:	
RM: WATERWALK-WSIR re	ev. 02/15/13	2	



## **PENINSULA**

Weekly Site Inspection Report No. PEN 2013-0407

Week of: ⊘ <sup>™</sup>	1 7	= 04113	, 2013	Inspector:	Pat Wilser
		· · · · · · · · · · · · · · · · · · ·		•	1711 0010170 =

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Rus	ston)
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INSPECTION AREA	O' COI	VERA NDIT CHECK O	AL ION	NEED REPAIR? (* CHECK ONE)		COMMENTS/OBSERVATIONS
Fence:	Good	Fair	Poor	Yes	No	
Perimeter					<u> </u>	
Exclusion Zone						maintaine area ponking lot down
Silt						
Source Area:	Good	Fair	Poor	Yes	No	
Drainage				_		
BMPs						
Equipment Metro Parks Materials						Konstsu 750 executor on site Borrow are
Metro Parks Materials						
Haul Road:	Good	Fair	Poor	Yes	No	
Road Base				Ban		
Gravel Cover Drainage	<i>ب</i>			2		soft connex at sorce ance road photo
Metro Parks Materials			ļ	<b>-</b>		
Wieno i arks Waterials			-	<del></del>		
Peninsula Liner:	Good	Fair	Poor	Yes	No	
Geomembrane						
Gravel Cover						
Marker Fabric						
Drainage	₽~				<u>ب</u>	
			<u> </u>			SILTIN ANOMOR TREVER REMOVED (4/9)
Other Features:	Good	Fair	Poor	Yes	No	
Shoreline Armoring	<u>```</u>				-	photo
Habitat Basin	<u></u>		<u> </u>			metal tank on shore wend
City Outfall			<u> </u>		0	
			<u> </u>			

Misc. notes:	straw waddles oil in place
MEHD A	lastic eversion control in place - photo
1	
NOTE: WELVE	LINE LEHE UNDER PACHT COUR AGES ROAD REPAREN BY
DISON BROT	HERE (4/9).

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

() (~) / 2	INSPECTOR: DATE:	4/12/13
------------	------------------	---------

SIGNED:

H&S OFFICER: DATE:

/13/13 si

SIGNED:



## **GENERAL SITE**

Weekly Site Inspection Report No. GEN 2013- Ø 4 1 4

of: ชัน / บุน - ชนุ / ฉัช , 2013 Inspector: Tim Rusher Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston) Week of: 🐠। 🗸 । 🗸

Operable	Unit	<u> </u>	Asa	<u>irco</u>	l acoi	ma Smelter Site (Point Ruston)
INSPECTION AREA	OVERAL CONDITION (* CHECK ONE)			REP	CED AIR?	COMMENTS/OBSERVATIONS
Gates: Slag Peninsula 52 <sup>nd</sup> Street 54 <sup>th</sup> Street (electric)	Good	Fair	Poor	Yes	No V	(See "Streets" Report for additional gates)
Signage: Gates Perimeter Safety	Good V	Fair	Poor	Yes	No V	
Security: Locks Alarms Cameras	Good	Fair	Poor	Yes	No ,	
BMPs: Silt Fence Waddles	Good.	Fair	Poor	Yes	No V	
Nursery: Plants Sprinkler Weeds	Good V	Fair	Poor	Yes	No	PIPES NEW REDAIRED
Stockpiles: Envirotac II Plastic Packed Grass	Good	Fair	Poor	Yes	No V	TOP SUIL
<b>Dust:</b> Traffic areas Excavation area	Good	Fair	Poor	Yes	No V	
Fencing: Site Perimeter Zone Separation	Good	Fair	Poor	Yes	No V	INSTACL TEMP PAJELSON ISLAND VIEW. REMOVED & MORE E.Z. FEDGE HOUND FINISH
CRZs: Area D (Other)	Good	Fair	Poor	Yes	No	
Haul Roads:  Main Street Grand Ave.  OCF road Metr.Pks-Peninsula	Good	Fair	Poor	Yes	No V	SAMPLED HAUL ROADS HEAT WATERWALK

## GENERAL SITE - Weekly Site Inspection Report No. GEN 2013- ダリゾ Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

Misc. not	es:	
Fourte	OD REMOURL OF E.Z. FENCE POST AT TICT 7	
4/16 N	MORNING FOR CONTRICUTOR IN HIGH CONCENTRATE UREMPINED WALL	_
	NOT 1A H-VOL REDUCED MOTOR + CAULKATION.	-
4/19 N	MOVE OCCUPANCY FENCE TO INTORSECTION #4 + N. CHIFFIL	
4/20	RUSTON WAY 5-K/BANVIEW, MAIN + ISLAND VIEW OPEN FOR PABLIC	- Jaca
: Ma:4a.	500-	

Air Monitoring:

	1 1/10	mitot	<u></u>				
	Day of	Week	Hi-Vol QTY	Real Time	Personal QTY	Portable QTY	Air Monitoring Notes
	Sun	I	Ø	4	Ø	Ø	MANNSTREET PAVENENT WASHON + SWENT FOR PAINT.
	Mon	15	4	T	Ø	1	MMZ CLEANUD /GRAPING PRED FOR T.I.C. 16
	Tue	16	1	4	Ø	Ø	JUSTING TI C#16 LOUR /WOOD ON FORCE EVEN # 16 + 17+18
ŀ	Wed	7	7	4	Ø	0	HAML TOP SCILTU 2APLANTURE/GRADE + ORGANIZE MMZ GRADE FOR TIC #12. TSP SPIKE FROM MORING FLG
	Thu	18	T	4	Ø	Ø	GRADING LET 12 FOR T.I.C. + EXPORT VESUTATION
I	Fri	14	7	4	Ø	Ø	PREAMBATIONS FOR 5-K EVENT JA+SITECHENY
l	Sat	2¢	3	4	$\varphi$	Ø	RUTTO - WAY 5-K (+10-K) / AFTER 15 WHITES.

#### **WEATHER:**

			•			Sumi	mary o	f Weather Conditions
Day of	Week	TEMPERA LOW	TURE (F)	DIRECTION	IND (MPH) AVERAGE	GUST	RAIN (INCHES)	OTHER
Sun	14	39	64	5W	4	1	.89	MOSTLY SUNUY SCATTERED SHOWER
Mon	15	37	61	ENE	3	15	Ø	PARTLY (LONDY WITH CONTREAKS/LIGHTHING
Tue	16	چ ج	63	NE	3	3	Ø	MORNINGFOR MOSTLY SUIN / CLUBS
Wed	17	<u> 3</u> 8	66	SW	4	15		Mestry SUNNY
Thu	18	7	55	55W	5	1)		MOSTLY CLOADY / UNMERTED NEW DEIZZE
Fri	19	49	59	55W	(,	3		MEDIN' + AFTERNO MRANS OVERCAST
Sat	aφ	47	61	SW	7	2	Ç.	MOSTLY CLOUDY WITH DITTERNOON SUN BROWN

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

INSPECTOR: DATE:	4/20/13	SIGNED:
H&S OFFICER: DATE:	4/20/12	SIGNED:



## STACK HILL

Weekly Site Inspection Report No. SH 2013- Ø 4/14

Week of: ชีนี / หัน - ซีนี / วัน , 2013 Inspector: Tim Rustice (Point Ruston)

INSPECTION AREA	OVERAL CONDITION (* CHECK ONE)			NEED REPAIR? (* CHECK ONE)		COMMENTS/OBSERVATIONS	
Streets: Villard St. Court St.	Good	Fair	Poor	Yes	No	TRANK-OUT FROM LOT 14/15 (MUD)	
Count St.  Commercial St.  Baltimore St.  49 <sup>th</sup> St.  Tract A (private)  Lot #18 (private)	\ \ \ \						
View Point: Parking Pad Gravel Path Display Boards	Good V Good	Fair	Poor	Yes	No No	ONE HIS OUR DAMAE.	
Storm Drains Clean: Catch Basins	G000	Fair	Poor	Yes	NO		
BMPs: Hydroseed (Other)	Good	Fair	Poor	Yes	No		
Sidewalks: Damage Weeds	Good	Fair	Poor	Yes	No	SMAN GRASS SHOWING	
Signage: Perimeter "Advisory" No Trespass (Tunnel Hillside)	Good	Fair	Poor	Yes	No 1		
Dust: Excavation Areas	Good	Fair	Poor	Yes	No V		
Fencing: 4' Site Perimeter 6' Temp. Panels	Good	∠ Fair	Poor	Yes	No	NONE	
Street Lights: Condition	Good	Fair	Poor	Yes	No		
Site Markers:  Lot Numbers  Utilities  Survey Stakes	Good	Fair	Poor	Yes	No V	SEVERL MARIERS BROKEN & MISSING	
Retaining Walls:  Baltimore  Lots 22/23/24	Good	, Fair	Poor	Yes	No		

## STACK HILL - Weekly Site Inspection Report No. SH 2013- Ø414 Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

Misc. notes:	What Tours & Habil!	A 60/ 10/2	110/44/9724	Paprono
1/2/10	WHITE TOYOTA HIGH!	THE CIT	711110700	FARRED
				. ***
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			<del></del>	
		· · · · · ·	***	
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	- <del> </del>			
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· 				
			· · · · · · · · · · · · · · · · · · ·	
rtify that th	s report is true, accurate and comp	lete, to the h	est of my knowledge and l	helief
	,		,	ooner.
SPECTOR	DATE: 4/12/13	SIGN	IED:	
	R: DATE: 4/12/13	SIGN	14	





Weekly Site Inspection Report No. STR 2013- Ø414

Week of: ชูนู / นูนู - ชูนู / นูซู , 2013 Inspector: Tim Rustice (Point Ruston)

INSPECTION AREA	CON	VERA NDIT	ION	REP.	ED AIR? CK ONE)	COMMENTS/OBSERVATIONS
Streets: Surface	Good	Fair	Poor	Yes	No	
Paint Splitter Islands Barricades	V V				V	
Signage: Trespass Advisory	Good V	Fair	Poor	Yes	No	
Traffic Marketing	V			~		(SEE No.ES)
Street Lights: Ruston Way 51 <sup>st</sup> Street Baltimore	Good	Fair	Poor	Yes	No V	POLE BASE REPUREMENT ORDERED (ROUNDABOUT)
Yacht Club Junction Boxes	<b>V</b>				✓ ✓	
Storm Drains: Curb/Gutter CBs Filterras	Good	Fair	Poor	Yes	No	CLEANED (NOTERS AS NEEDED)
Sidewalks: Paint Crossings Bollards	Good	Fair	Poor	Yes	No /	
Landscaping: Trees Plants Sprinkler Bark/Mulch	Good	Fair	Poor	Yes	No No	
Roundabouts: Grand Yacht Club	Good	Fair	Poor	Yes	No V	
Features: Wall/Rail Development Sign	Good	Fair	Poor	Yes	No V	

## STREETS - Weekly Site Inspection Report No. STR 2013- 9414 Operable Unit 02 - Asarco Tacoma Smelter Site (Point Ruston)

Gates:	Good	Fair	Poor	Yes	Ma	
Cooling Pond – West	V	rail	FOOF	1 65	No V	*
Cooling Pond – North	<u> </u>				\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
Lot #12		_	-		V/	
Lot #12 Lot #10 – West			<del></del>		V	
Lot #10 – West  Lot #10 – North	V			<del></del>	V	
BNSF – A			<u> </u>		\ <u>\</u>	
	V	_	_	<u> </u>	V	
OSW02	V		<u> </u>	<del></del>	/	
Grand – East	$V_{j}$				1/	
Grand – West	$V_{\perp}$	i 		<u></u>	V	
Cascade	V				V ,	
Yacht Club - North	V				V	
Yacht Club – South	V				V	
			<i>,</i>			
Other:	Good	Fair	Poor	Yes	No	
Roundabouts	V				V	
Jersey Barriers	<b>  √</b>				V	
Baltimore Bridge	<b>V</b>				V	CLOSED TO VEHICLES
ertify that this report is	s true,	accui	rate an	ıd com	plete, to	o the best of my knowledge and belief.
SPECTOR: DATE:		4/2	92 / 1.	3	s	IGNED:
EVIEWED: DATE:		4/	3.60 / I	3		SIGNED:
					.~ 	2



## TEMPORARY IMPERMEABLE CAP

Weekly Site Inspection Report No.	TIC 2013- Ø414
(MM) (DD) (MM) (DD)	

Week of: 64/14 - 64/26, 2013 Inspector: The Rustie Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION	CLEAN?	NIEED	COMMENTS/OBSERVATIONS
Lot 1 Geomembrane Sand Bag Cover Anchor Edge Berm Drainage Other Fence Line	Good Fair Poor	Yes No	Yes No	NEEDS DAMY DECRE LUDGERON
Lot 3 Geomembrane Sand Bag Cover Anchor Edge Berm Drainage Other Fence Live	Good Fair Poor	Yes No	Yes No	PART OF LINER EDGE HOODS GUERONO 2B NEOD BIGGER SCREEN CUDRAIU (SAME AS LOT 1 ABOVE)
Lot 4 Geomembrane Sand Bag Cover Anchor Edge Berm Drainage Other	Good Fair Poor  V	Yes No	Yes No	NEED BIGGET-SCREEN ON DRAW
Lot 5/6 Geomembrane Sand Bag Cover Anchor Edge Berm Drainage Other	Good Fair Poor	Yes No	Yes No	,
Lot 7 Geomembrane Sand Bag Cover Anchor Edge Berm Drainage Other	Good Fair Poor	Yes No	Yes No	
Lot 9/11 Geomembrane Sand Bag Cover Anchor Edge Berm Drainage Other	Good Fair Poor	Yes No	Yes No	SMAN PACE OFEDSE @ 24 Novo: COURTED
Lot 14 Geomembrane Sand Bag Cover Anchor Edge Berm Drainage Other	Good Fair Poor	Yes No	Yes No	PENDING  11  Revet GILADE

## TEMPORARY CAP - Weekly Site Inspection Report No. TIC 2013- ♥ ५ १५ Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	CON	ER.		CLE	AN?	NE REP	ED AIR?	COMMENTS/OBSERVATIONS
Lot 16 Geomembrane Sand Bag Cover Anchor Edge Berm Drainage Other	Good	Fair	Poor	Yes	No	Yes	No No	MILLING & GRADING FOR LINER PROP. INSTALLED 4/16. II II DRAINS UNDER MINUS: TO #17
Lot 17/18 Geomembrane Sand Bag Cover Anchor Edge Berm Drainage Other	Good	Fair	Poor	Yes	No	Yes	No No	
MMZ (Lot 15) Stock Piles Drainage Other	Good	Fair	Poor	Yes	No	Yes	No V	CLEAN UP IN PROGRESS

Misc. notes:	4/17/13	NSTALED	DRAIN PI	PE IN PARO	HAMOUN FOR	T.1.C. #12.
4/18/13	STARTED	GRUBING	Beusit +	+ GRADISI	Fore T.I.	·, #/2
, ,				•		
	· -					
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		<del></del>	·			
· · · · · · · · · · · · · · · · · · ·						

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

INSPECTOR: DATE:	4/22/13	SIGNED:
	/ / /	
REVIEWED: DATE:	4/22/13	SIGNED:



## WATERWALK

Weekly Site Inspection Report No. WW 2013- 8-414

INSPECTION AREA	O' COI	VERANDIT	AL ION	NE REP	ED AIR?	COMMENTS/OBSERVATIONS
Paths:	Good	Fair	Poor	Yes	No No	
Asphalt						
Gravel			-	·		
Signage:	Good	Fair	Poor	Yes	No	OPEN TO PLAZA
Perimeter/Trespass					سما	O T C P T B T B C E / S
Perimeter/"No Access"	V				· · ·	
Park Rules					<b>W</b>	
(Other)	•					
Street Lights:	Good	Fair	Poor	Yes	No	
Junction Boxes	V		_			
Poles				- "		
Bulbs					1	
Banners					/	
Storm Drains:	Good	Fair	Poor	Yes	No	
Area Drains	V .		<u> </u>		V	
Clean Outs	V				V	
Octopus:	Good	Fair	Poor	Yes	No	TIRE TRACKS
Tile	V			-	~	/INC /2007
Grout	1				V	
Paint					-	
Intersection #1:	Good	Fair	Poor	Yes	No	TIRE TRACKS
Tile	V				V	(1100)
Grout					V	
Paint	V				V	
Intersection #2:	Good	Fair	Poor	Yes	No	TIRE THACKS
Tile	$\overline{V}$				1/	The line
Grout					V	
Paint				V		LOOKS UNFINISHED
Intersection #3:	Good	Fair	Poor	Yes	No ,	TIRE TRACKS
Tile	<b>V</b>				<b>V</b>	
Grout	V				<b>V</b>	
Paint	V					
Intersection #4:	Good	Fair	Poor	Yes	No	
Tile	<b>√</b>					
Grout	<b>V</b>				V	
Paint			<u> </u>	V		NO PAINT

## 

Sprinkler:	Good	Fair	Poor	Yes	No	
Heads					V,	
Valve Boxes	V				V	
Landscaping:	Good	Fair	Poor	Yes	No	
Trees	V				V	
Plants	V				1	
Grass					1/	
Bark/Mulch	V				<b>V</b>	
Hardware:	Good	Fair	Poor	Yes	No	BIKE RACK INSTALLED
Cleat Benches	V				U^^	
Tables	V					
Trash Cans	1				V	CAUS BTOOL FERRY + R.W. FULL FAST
Gates:	Good	Fair	Poor	Yes	· No	
Eerry South				-	-,	
TIC - 3/4	V				\ <u></u>	
Intersection #1	V				-	
Intersection #2	<b>V</b>				V	
Intersection #3	V				/	OPENED FOR PUBLIC ACCESSER 5-K MONED BAYE TO INT. #4 + N. ONTIAL DANGED BY EQUID. + BUDGO W/GILLOW (FIXED
Grand Plaza	V				V	MONES BAGE TO LUT. #4 + N. CHTIAL
Intersection #4						DANTERD BY EQUID. + RUDGO W/GIRLE - (FIXED
Peninsula - North					V	
Grand Plaza:	Good	Fair	Poor	Yes	No	
Lights	\ \					
Concrete	$\checkmark$				V	
Rails	<b>_</b>				<b>L</b>	FILLED GAPS ATTOP W/CHANNLINK
Big Toy:	Good	Fair	Роог	Yes	No	
Block Wall	V				$\sqrt{}$	
Sign	V				<b>V</b>	
Boardwalk/Benches	V				V	
Swings	V				V	
Chips					V	
Other:	Good	Fair	Poor	Yes	No	
Coyotes		. V		V		NEED TO ADD MORE Brun FORMY + lurg + 1
Tide Pool						

Misc. notes (use continuation sheet if necessary):  ADDED MORE TRASH CANS TO PLAZA + FRONT OF BLOG 2A FOR 5-K (4/28)
certify that this report is true, accurate and complete, to the best of my knowledge and belief.

INSPECTOR: DATE:	4/20/13	SIGNED:
REVIEWED: DATE:	4/20/13	SIGNED:



## **PENINSULA**

Weekly Site Inspection Report No. PEN 2013-ダリリ

	(MM)	(DD)	(MM) (DD)	- <del></del> -
Week of:	Ø41	14	- Ø4126, 2013	Inspector: TIM RUSHER

INSPECTION AREA	CON	VERA NDIT	ION		ED AIR? CK ONE)	COMMENTS/OBSERVATIONS
Fence: Perimeter Exclusion Zone Silt Source Area: Drainage BMPs Equipment	Good Good Good	Fair Fair	Poor	Yes	No V	
Metro Parks Materials  Haul Road:  Road Base  Gravel Cover  Drainage  Metro Parks Materials	Good	Fair	Poor	Yes	No No	
Peninsula Liner: Geomembrane Gravel Cover Marker Fabric Drainage	Good	Fair	Poor	Yes	No	- PENGUG
Other Features: Shoreline Armoring Habitat Basin City Outfall	Good	Fair	Poor	Yes	No V	

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.	

I certify that this report is true, accurate and complete, to the best of my knowledge and be	lie	f
---	-----	---

SIGNED: INSPECTOR: DATE:

H&S OFFICER: DATE:



## **GENERAL SITE**

Weekly Site Inspection Report No. GEN 2013- ダイス/

Operable	OIIIL	<u> </u>	Moa	1100	acui	na Smelter Site (Point Ruston)
INSPECTION AREA	CO	VERA NDIT CHECK O	ION	REP.	ED AIR? CK ONE)	COMMENTS/OBSERVATIONS
Gates: Slag Peninsula	Good	Fair	Poor	Yes	No .	(See "Streets" Report for additional gates)
52 <sup>nd</sup> Street 54 <sup>th</sup> Street (electric)	V			!		
Signage: Gates Perimeter Safety	Good	Fair	Poor	Yes	No	PAINTER DAMAGERS YELD SIGN A LAW UFT
Security: Locks Alarms Cameras	Good	Fair	Poor	Yes	No /	28 ANNERS ON WITERWARE WASSING
BMPs: Silt Fence Waddles	Good	Fair	Poor	Yes	No .	
Nursery: Plants Sprinkler Weeds	Good	Fair	Poor	Yes	No /	PAPEL NEED REPAIR
Stockpiles: Envirotac II Plastic Packed Grass	Good	Fair	Poor	Yes	No V	TOP SOIL
Dust: Traffic areas Excavation area	Good	Fair	Poor	Yes	No V	WATER SPINING 45 NERVIEW
Fencing: Site Perimeter Zone Separation	Good	Fair	Poor	Yes	No V	REMOVE W.W. FEDERAL STAGE 18
CRZs:  Area D  2BE (Other) SE	Good	Fair	Poor	Yes	No	NOTE TO BUILD CRZ AT NEW GATE LEGATION
Haul Roads: Main Street Grand Ave. OCF road Metr.Pks-Peninsula	Good	Fair	Poor	Yes	No /	SAMPE FROM MANUEROAD AT 4B + WERRENDED  WATER SPRANJ USON AL NEEDED

### GENERAL SITE - Weekly Site Inspection Report No. GEN 2013- ジリント Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

Misc. notes:	
4/23 D.O.E. WHERWALL TO	AK .
4/25 CLEAN ADDITIONING SLAW	Fron ARMORIG Brun. INTER #2 + 3
4/26 TRESPASSER APPRENTENDED	
4/26 UNRELATED INCIDENT (MAYBE)	REPARTED BY SECURITY DERESONE

Air Mo	nitor	ıng:				COURD BETWEEN PANZOLS.
Day o	f Week	Hi-Vol QTY	Real Time	Personal QTY	Portable QTY	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Sun	71	Ø	4	Ø	Q	No SITE ACTIVITY
Mon	22	4	4	Ø	Ç	MINIMAL ACTIVIM/WORKIN MMZ
Tue	23	4	٠ ٣	Œ	Ø	TICTO LIVER LUSTALL BURN TEND GRAND CADINMINZ
Wed	24	7	4	Ø	92	TIC#12 AVENOREDGE/MMZ GRAVEL CAP/
Thu	25	7	7	Ø	Ø	FENCE DEMO ON PENINCHET - STAGT EXCAULTIME AUCHOR EDGE
Fri	26	4	4	Ø	,	HAMELING BORROWSONS TO PENINSHIA /MMZ GRAVEL CAD
Sat	幻	Ø	4	Ø	Ø	No SITE ACTIVITY

#### **WEATHER:**

	HEN	<del>.</del>						
i _						Sumi	mary o	of Weather Conditions
Day of	f Week	TEMPERA			(IND (MPH)		RAIN	OTHER
	1	LOW	HIGH	DIRECTION	AVERAGE	GUST	(INCHES)	
Sun	21	43	61	55W	4	14	Ø	PARTLY CLOUDE
Mon	22	39	67	NNE	3	8	Ø	CLEAR & SURING
Tue	13	36	71	N	入	7	$\bigcirc$	CLEAK
Wed	24	40	77	NNE	2	6	Ø	SUNNU + CLEAR
Thu	25	43	74	N	2	12	4	SUNNY + CLEAR
Fri	26	47	74	WSW	٠. ٢	) (	Ø	SUNJAY + CLAR / EVENIAG (WAD)
Sat	27	51	58	SSW	6	26	Ø	Then Change Wing Son BREAKS + INCREMING CO

I certify that this report is true, accurate and complete, to the best of my knowledge and belief										
	Lcertify	that this re	nort is true	accurate and	complete	to the	hest of my	v knowleds	e and be	elief.

INSPECTOR: DATE:	4/27/13	SIGNED:
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H&S OFFICER: DATE:  $\frac{4/27//3}{}$ 



## **STACK HILL**

Weekly Site Inspection Report No. SH 2013- ダリン/

Week of: นี / นี - นี / นี , 2013 Inspector: Tim Rusher Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERA CONDIT	AL ION	NEED REPAIR? (* CHECK ONE)		COMMENTS/OBSERVATIONS
Streets:  Villard St.  Court St.  Commercial St.  Baltimore St.  49 <sup>th</sup> St.  Tract A (private)  Lot #18 (private)	Good Fair	Poor	Yes	No No	(CLEANEL NEXT DAY) > TRACK-OUT FROM # 14 + 15 (MUD)*  UTILITY WORK IN PROGRESS
View Point: Parking Pad Gravel Path Display Boards	Good Fair	Poor	Yes	No	GRASS STATING TO COMEUPINGENERS
Storm Drains Clean: Catch Basins	Good Fair	Poor	Yes	No	
BMPs: Hydroseed (Other)	Good Fair	Poor	Yes	No ÷	
Sidewalks: Damage Weeds	Good Fair	Poor	Yes	No	GDASS/WEDDS SDREWTING
Signage: Perimeter "Advisory" No Trespass (Tunnel Hillside)	Good Fair	Poor	Yes	No	N/A
Dust: Excavation Areas	Good Fair	Poor	Yes	No	
Fencing: 4' Site Perimeter 6' Temp. Panels	Good Fair	Poor	Yes	No	N/A
Street Lights: Condition	Good Fair	Poor	Yes	No V	
Site Markers:  Lot Numbers  Utilities  Survey Stakes	Good Fair	Poor	Yes	No	
Retaining Walls: Baltimore Lots 22/23/24	Good Fair	Poor	Yes	No J	

## STACK HILL - Weekly Site Inspection Report No.

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

Misc. notes:						
SAMPLED	BALTIMORE	TRENCH	500165	FROM L	DALIN 7	RECH.
	<del></del>		i		*	
				<del></del>		
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		*****				
<u></u>						

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

INSPECTOR: DATE:  $\frac{4}{27/15}$  SIGNED: SIGNED:



Weekly Site Inspection Report No. STR 2013- ダイス)

Week of: 4/21 - 4/27, 2013 Inspector: TIM RUSHER

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	O' COi	VERA NDIT	AL ION	NE REP	ED AIR? ck one)	COMMENTS/OBSERVATIONS
Streets: Surface Paint Splitter Islands Barricades	Good	Fair	Poor	Yes	No Y	
Signage: Trespass Advisory Traffic Marketing	Good	Fair	Poor	Yes	No V	(SEE NOTE)
Street Lights: Ruston Way 51st Street Baltimore Yacht Club Junction Boxes	Good	- Fair	Poor	Yes	No No	SEE HOTES)
Storm Drains: Curb/Gutter CBs Filterras	Good	Fair	Poor	Yes	No No	CLEANES GUTTERS AROUND GRAND R.A.B.
Sidewalks: Paint Crossings Bollards	Good	Fair	Poor	Yes	No No	
Landscaping: Trees Plants Sprinkler Bark/Mulch	Good	Fair	Poor	Yes	No V	WATCH VG FOR DAMAGE + LEAKS
Roundabouts: Grand Yacht Club	Good	Fair	Poor	Yes	No	
Features: Wall/Rail Development Sign	Good	Fair	Poor	Yes	No	

### STREETS - Weekly Site Inspection Report No. STR 2013- 3421

### Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

Gates:	Good	Fair	Poor	Yes	No					
Cooling Pond – West	<b>V</b>				V					
Cooling Pond – North	V.			-	V					
Lot #12	·/				V					
Lot #10 – West	1				V.					
Lot #10 – North					V					
BNSF – A	1/				<b>V</b> /					
OSW02	1/				<b>V</b> ,					
Grand – East					V					
Grand – West	1									
Cascade					VI					
Yacht Club - North	$\mathcal{I}_{i}$				J					
Yacht Club - South	$\overline{\ \ }$				V					
Other:	Good	Fair	Poor	Yes	No					
Roundabouts										
Jersey Barriers										
Baltimore Bridge					V	CLOSED				
		**		-						
MC:										
Misc. notes:										
4150 SIGN AT	JA-	+-	CLU.	B Ro	no H	4 A BENT POST (MINOR).				
KEEP RIGHT SI	KN	<u>() (</u>	50	1777	1 19	LAND AT 49Th 1=BENT (MODERATE)				
Paul A Bour S	<u>ا دری</u>			- 1 .	D_	LE ON BALTIMOIZE (IDLE STRIPPED)				
100ACABORT DIE		<u> </u>	-	~ <u>CIO</u>	D -	LE OF DACIMOILE (DLE OTRIPLED)				
LIGHT POLE BAS	عز ا	() RYD	PRU	0 10	) / Carp	44 DAMAGED ONE A-GRAND R.A.B.				
			·		·					
	***				•					
L										
certify that this report is true, accurate and complete, to the best of my knowledge and belief.										
Л										
NSPECTOR: DATE:		4/	7/	13	S	IGNED:				
		; ·								
		,		I		(1)				
REVIEWED: DATE:		4/	27/	1		SIGNED:				



## TEMPORARY IMPERMEABLE CAP

Weekly Site Inspection Report No.	TIC 2013- (	3421	
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INSPECTION AREA	OVERAL CONDITION	CLEANS	MEED	COMMENTS/OBSERVATIONS
Lot 1 Geomembrane Sand Bag Cover Anchor Edge Berm Drainage Other	Good Fair Poo	Yes No	Yes No	
Lot 3 Geomembrane Sand Bag Cover Anchor Edge Berm Drainage Other	Good Fair Poo	Yes No	Yes No	COVERED EXPOSED LUBREEDGE AT 28 LOST ALLO BIGGER SCREEN - LAREYED FLOW
Lot 4 Geomembrane Sand Bag Cover Anchor Edge Berm Drainage Other	Good Fair Poo	Yes No	Yes No	INSTALLED BIGGER SCREEN - IMPROVED FICH
Lot 5/6 Geomembrane Sand Bag Cover Anchor Edge Berm Drainage Other	Good Fair Poo	Yes No	Yes No	
Lot 7 Geomembrane Sand Bag Cover Anchor Edge Berm Drainage Other	Good Fair Poo	Yes No	Yes No	COVERED EXPOSED LINER EDGE AT JA
Lot 9/11 Geomembrane Sand Bag Cover Anchor Edge Berm Drainage Other Pono	Good Fair Poo	Yes No	Yes No	LIVER FLOTING IN SEVERLLOCATIONS
Lot 14 Geomembrane Sand Bag Cover Anchor Edge Berm Drainage Other	Good Fair Poo	Yes No	Yes No	PENDING " Rough GRADE

## TEMPORARY CAP - Weekly Site Inspection Report No. TIC 2013- ⊗ ← ∠ / Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OV CON	/ER/ IDIT		CLE	AN?		ED AIR?	COMMENTS/OBSERVATIONS
Lot 16	Good	Fair	Poor	Yes	No	Yes	No	
Geomembrane	$\checkmark$			V			V	
Sand Bag Cover	V			V			V	
Anchor Edge Berm	<b>~</b>	!		V-			V	
Drainage	V						1	
Other								
Lot 17/18	Good	Fair	Poor	Yes	No	Yes	No	
Geomembrane	$\checkmark$			V				
Sand Bag Cover	V			V			1	RELOCATED SELECTED BASIFER BETTER GUERRE E
Anchor Edge Berm		-		V				
Drainage				1				
Other								
MMZ (Lot 15)	Good	Fair	Poor	Yes	No	Yes	No	GENBRAL CLEAN US
Stock Piles	$\checkmark$			V			V	,
Drainage				<b>/</b>			V.	
Other TEMP. CAP	V			V			V	INSTALL FAGRIC + CLEAN GRAVEL

Misc. notes:	/23/13 INSTALLED LINER ON LOT 12 INSTALL ANCHOR EDGE ON T.I.C. 12	
4/24/13	INSTALL ANCHOR EDGE ON T.I.C. 12	
, , , , , , , , , , , , , , , , , , ,		
		<del></del>

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

INSPECTOR: DATE:	4/27/13	SIGNED:
	/ /	
REVIEWED: DATE:	4/27/13	SIGNED:
	· · · · · · · · · · · · · · · · · · ·	Commence of the commence of th



## WATERWALK

## Weekly Site Inspection Report No. WW 2013- Ø 4 2 |

Week of: ()4 (2) 127, 2013 Inspector: Struck

Operable			sarco	lac	oma Smelter Site (Point Rüston)
INSPECTION AREA	OVER CONDI'	ΓΙΟΝ	REP	EED AIR?	COMMENTS/OBSERVATIONS
Paths:	Good Fair	Poor	Yes	No	
Asphalt	V			1	
Gravel	i/			V	
Signage:	Good Fair	Poor	Yes	No	
Perimeter/Trespass	V			V	
Perimeter/"No Access"	V			V	
Park Rules	V			1	
(Other)	,/		V		Keep of the grass News Replacen
Street Lights:	Good Fair	Poor	Yes	No	
Junction Boxes	V			V	
Poles	V			V	Need to be Cleaned
Bulbs	i/			V	
Banners	V			V	2 BANNERS MISSING AT PLAZIN/BIGTON
Storm Drains:	Good Fair	Poor	Yes	No	
Area Drains	1/			i	
Clean Outs				-	
Octopus:	Good Fair	Poor	Yes	No	
Tile	1			1/	
Grout	<i>i</i> /				
Paint	V		V		Saws, Dity
Intersection #1:	Good Fair	Poor	Yes	No	
Tile	4			i/	
Grout	<i>i</i> /			V	
Paint	1			i/	Tite Markers Need's Cleaning
Intersection #2:	Good Fair	Poor	Yes	No	ð
Tile				V	
Grout				1/	
Paint	V			V	Tite Marks, Needs Cleaning
Intersection #3:	Good Fair	Poor	Yes	No	
Tile	0			V	
Grout	~			V	
Paint	V			0	Stairs, Tite Marks, Needs Cleaning
Intersection #4:	Good Fair	Poor	Yes	No	
Tile	U.			1	
Grout	V			1	
Paint	N/A				(N/A) Asphalt Needs Clearing

### 

Sprinkler:	Good	Fair	Poor	Yes	No	
Heads	レ				V	
Valve Boxes	V					111/2-202-20
Landscaping:	Good	Fair	Роог	Yes	No	
Trees	V				V	
Plants	i				V	
Grass	V					
Bark/Mulch	V	·			V	
Hardware:	Good	Fair	Poor	Yes	No	
Cleat Benches					~	
Tables						
Trash Cans	V				V	
Gates:	Good	Fair	Poor	Yes	No	
Ferry – South						
TIC - 3/4	i/				V	
Intersection #1	V					
Intersection #2	V				V.	
Intersection #3		. /			V	6 temp fencing
Grand Plaza					1	7
Intersection #4	V					
Peninsula - North	·/					
Grand Plaza:	Good	Fair	Poor	Yes	No	Porteriotors Nead to be Temored >
Lights	w				10	
Concrete	i/	_			V	DONE LATER
Rails	V				i/	9/25
Big Toy:	Good	Fair	Poor	Yes	No	
Block Wall		,			1	
Sign					1	

Misc. notes (use continuation sh	eet if necessary): Bannet	Misslua @	Daig toy (Grand Plaza	
THEFT REPORT FLE	O YTA-COMA PD	(2 BIRAGICETS	2 BANDERS)	
			<del></del>	

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

Poor

Yes

No

INSPECTOR: DATE:	04-23-13	SIGNED: How O. Doughter	
REVIEWED: DATE:	4/24/13	SIGNED:	
	1 /		

Boardwalk/Benches Swings Chips

> Coyotes Tide Pool

Good

Other:



## **PENINSULA**

Weekly Site Inspection Report No. PEN 2013- @ 4 2/

Week of:  $\frac{4}{9} / 21 - \frac{9}{9} / 27$ , 2013 Inspector: 71m Rusher

Operable Unit 02 - Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	O'COI	VERA NDIT	AL ION	NEED REPAIR? (* CHECK ONE)		REPAIR?		REPAIR?		REPAIR?		REPAIR?		REPAIR?		REPAIR?		COMMENTS/OBSERVATIONS
Fence: Perimeter Exclusion Zone Silt	Good V	Fair	Poor	Yes	No V	REPAIRED 52 FENCE ADNO HALL ROAD												
Source Area: Drainage BMPs Equipment Metro Parks Materials	Good V	Fair	Poor	Yes	No .													
Haul Road: Road Base Gravel Cover Drainage Metro Parks Materials	Good	Fair	Poor	Yes	No V													
Peninsula Liner: Geomembrane Gravel Cover Marker Fabric Drainage	Good	Fair	Poor	Yes	No No	DENNING  11  11  GRADIN'S ANCHOR EDGE @ ROMP + ONTEHN												
Other Features: Shoreline Armoring Habitat Basin City Outfall	Good	Fair	Poor	Yes	No No													

Misc. notes: 4/25	STARTBACK UP - PREPANCHOREDA	SE ALLAS, YAGE CLUE ACCESS.
EauthMEN =	STAGED ON PEUDIONIA.	
TRESPASSER	CAUGHT ON PENINGWIA TRYING TO TO YTCHT (LUB. APPRENTENDED	FND ASMET GIT FROM
WATER WMK	TO YTCHT CLUB. ADDRETTE ADEC	+ TRESDAUSED BY BYCE
		7

I certify that this report is true, accurate and complete, to the best of my knowledge and be	eliet
---	-------

INSPECTOR: DATE: 4/27/13 SIGNED: 1

H&S OFFICER: DATE:  $\frac{4}{27/13}$  SIGNED:

Monthly Report 203, April 2013 Operable Unit 02 Asarco Tacoma Smelter Site

## **OUTFALL**

## **MONITORING**

## DATA

Reference	Date	Description
Table 1	April 2013	Summary of April 2013 Outfall Data for As, Cu, and Zn
l'able 1	April 2013	Compared to SOW Limit
Spectra	05/07/2013	Spectra Laboratories Outfall Analysis Report for April Samples
	· ·	

Table 1. Summary of April 2013 Outfall Data for As, Cu, and Zn Compared to SOW Limit

Location	As Conc. ppm	% of SOW Limit*	Cu Conc. ppm	% of SOW Limit*	Zn Conc. ppm	% of SOW Limit*
South Outfall	0.000	0.00%	0.000	0.00%	0.000	0.00%
OSW2	0.030	5.90%	0.003	0.54%	0.001	0.10%
North Outfall	0.029	5.70%	0.008	1.66%	0.002	0.40%

<sup>\* 0.5</sup> ppm is the limit of As, Cu, and Zn allowed as documented in the SOW.

<sup>\*\*</sup> NOTE: The South Outfall was abondoned on February 15, 2013.

2221 Ross Way • Tacoma, WA 98421 • (253) 272-4850 • Fax (253) 572-9838 • www.spectra-lab.com

MAY 10 2013

05/07/2013

Point Ruston 5219 N. Shirley St., Suite 100 Tacoma, WA 98407

Project:

Tacoma Smelter

Date Received:

04/29/2013

Spectra Project: 2013040777

Client ID_	Spectra #	Analyte	Result	Units	Method	Matrix	Date Sampled
TSM0413408	1	Arsenic	0.023	mg/L	EPA 200.8	Water	04/08/2013
TSM0413408	1	Copper	0.0092	mg/L	EPA 200.8	Water	04/08/2013
TSM0413408	1	Zinc	0.0010	mg/L	EPA 200.8	Water	04/08/2013
TSM0413208	2	Arsenic	0.027	mg/L	EPA 200.8	Water	04/08/2013
TSM0413208	2	Copper	0.0015	mg/L	EPA 200.8	Water	04/08/2013
TSM0413208	2	Zinc	< 0.0005	mg/L	EPA 200.8	Water	04/08/2013
TSM0413415	3	Arsenic	0.040	mg/L	EPA 200.8	Water	04/15/2013
TSM0413415	3	Copper	0.015	mg/L	EPA 200.8	Water	04/15/2013
TSM0413415	3	Zinc	0.0057	mg/L	EPA 200.8	Water	04/15/2013
TSM0413215	4	Arsenic	0.030	mg/L	EPA 200.8	Water	04/15/2013
TSM0413215	4	Copper	0.0028	mg/L	EPA 200.8	Water	04/15/2013
TSM0413215	4	Zinc	< 0.0005	mg/L	EPA 200.8	Water	04/15/2013
TSM0413422	5	Arsenic	0.025	mg/L	EPA 200.8	Water	04/22/2013
TSM0413422	5	Copper	0.0058	mg/L	EPA 200.8	Water	04/22/2013
TSM0413422	5	Zinc	0.0007	mg/L	EPA 200.8	Water	04/22/2013
TSM0413222	6	Arsenic	0.031	mg/L	EPA 200.8	Water	04/22/2013
TSM0413222	6	Copper	0.0015	mg/L	EPA 200.8	Water	04/22/2013
TSM0413222	6	Zinc	< 0.0005	mg/L	EPA 200.8	Water	04/22/2013

SPECTRA LABORATORIES

Steve Hibbs, Laboratory Manager a8/scj

Page 1 of 2

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05/07/2013

Point Ruston 5219 N. Shirley St., Suite 100 Tacoma, WA 98407

Project:

Tacoma Smelter

Date Received:

04/29/2013

Spectra Project: 2013040777

Client ID_	Spectra #	Analyte	Result	Units	Method	Matrix	Date Sampled
TSM0413429	7	Arsenic	0.026	mg/L	EPA 200.8	Water	04/29/2013
TSM0413429	7	Copper	0.0031	mg/L	EPA 200.8	Water	04/29/2013
TSM0413429	7	Zinc	< 0.0005	mg/L	EPA 200.8	Water	04/29/2013
TSM0413229	8	Arsenic	0.030	mg/L	EPA 200.8	Water	04/29/2013
TSM0413229	8	Copper	0.0005	mg/L	EPA 200.8	Water	04/29/2013
TSM0413229	8	Zinc	< 0.0005	mg/L	EPA 200.8	Water	04/29/2013

SPECTRA LABORATORIES

Steve Hibbs, Laboratory Manager a8/scj

2221 Ross Way • Tacoma, WA 98421 • (253) 272-4850 • Fax (253) 572-9838 •

www.spectra-lab.com

May 7, 2013

Point Ruston

5219 N. Shirley St.

Suite 100

Tacoma, WA 98407

Units:

ug/L

Spectra Project:

2013040777

Applies to Spectra #'s

1 thru 8

#### **QUALITY CONTROL RESULTS**

ICP-MS Metals - EPA Method 200.8 - Water

Method Blank

Date Digested:

5/7/2013

Date Analyzed:

5/7/2013

Element	CAS#	Blank Result
Arsenic	7440-38-2	< 0.5
Copper	7440-50-8	< 0.5
Zinc	7440-66-6	< 0.5

Blank Spike (LCS)

Date Digested:

5/7/2013

Date Analyzed:

5/7/2013

	Spike	LCS	LCS
Element	Added	Conc.	%Rec
Arsenic	100.0	101.70	101.7
Copper	100.0	108.30	108.3
Zinc	100.0	100.30	100.3

LCS Recovery limits 85-115%

Matrix Spike/Matrix Spike Duplicate (MS/MSD)

Date Digested:

5/7/2013

Date Analyzed:

5/7/2013

Sample Spiked:

2013040777-1

	Sample	Spike	MS	MS	MSD	MSD	
Element	Conc.	Conc.	Conc.	%Rec	Conc	%Rec	RPD
Arsenic	23.32	100.0	124.20	100.9	127.20	103.9	2.9
Copper	9.22	100.0	117.40	108.2	120.00	110.8	2.4
Zinc	1.03	100.0	110.40	109.4	112.90	111.9	2.3

Recovery Limits 70-130%

RPD Limit 20

SPECTRA LABORATORIES

Steven G. Hibbs Laboratory Manager

#### CHAIN OF CUSTODY RECORD

2013040777

POINT	RUSTON PRO
5219 N. Shirley Street, S Phone: 253-752-2185	Fax: 253-752-7083

PROJ. N	0		PRO	JECT	NAME	, Cout	to(1)	S	1								
TACOL	na Sne	1tex		1	+ Rust	on LC	<u> </u>	CONTAINERS		/	Ĭ				/ /	/	
SAMPLE	RS: (Signatu	re)	7					Į	/	$/\sqrt{2}$	/ /	/ /	/ /	/ /	/ /		
	So M	MI	<u> </u>	<u>.</u>		<u> </u>		OF CO		ia		• /				REMA	RKS
DATE	STA#	TIME	COMP	GRAB		SAMPLE NUMB	ER	ON O									
4/8/13	out all	11:10	e,L		15m04	113408			X	·							
4/8/13	1	11:15	*		TSM O	113208		<u> </u>	X							<del> </del>	
4/15/13	out all	8:50	7		TSMO	113415		1	X							·	<u> </u>
	USW 2	8:55	人		TSMO	4/3215		1	V								
	Outtall		Х		TSMO	413422		1	X			•					
7 7	0542	9135	×		15M04	13 722		. 1	V								
	3 5 wH311	10:3 Ø	ж.		75M04	113429		1	X				. !				·
4/25/1	3 (75W Z	10:35	s≉.		TSMO	413229		1	X								
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Relinqui	shed (Signati	ure)	·		1 1	Date Time	Received by	: (Sign	ature)			Lab S	oec	fre	. S	Shipped via: FedE: or Other くりんい Air Bill #	x, UPS
Relinqui	shed (Signati		•			Date/Time	Received by	: (Sigh	ature)			Rema					
Relinqui	shed ( <i>Signat</i>	ure)				Date/Time	Received for	r Labor	atory b	y: (Sign	ature)		ate/Tir	_	6	ed: 'arameter List with Cover Letter	DTLs
L					<del></del>							Split S	-	es: [ ]Decli	ined		
COC For	m - 7/12				•							1 1/100	chica (	Inem		Signa	ature

### **PERIMETER**

### **AIR**

## **MONITORING**

### **DATA**

## (HIGH VOLUME)

Reference	Date	Description
Cmaatma	04/01 04/05	Spectra Laboratories Project # 2013040252
Spectra	04/01 - 04/03	Analysis Reports for As-Pb: OCF NW / OCF S (vault 1) / Lot 1A
Cmaatra	04/02	Spectra Laboratories Project # 2013040083 (Rush Analysis)
Spectra	04/02	Analysis Report for As-Pb: Lot 1A
		IML Air Science Work Order # S1304202
IML	04/01 - 04/05	Particulate Network Summary Reports for TSP-As-Pb
		Lot 4B (south gate)
Cmaatra	04/08 - 04/12	Spectra Laboratories Project # 2013040442
Spectra $04/08 - 04/12$		Analysis Reports for As-Pb: OCF NW / OCF S (vault 1) / Lot 1A
		IML Air Science Work Order # S1304254
IML	04/08 - 04/12	Particulate Network Summary Reports for TSP-As-Pb
		Lot 4B (south gate)
Cnaatra	04/15 – 04/20	Spectra Laboratories Project # 2013040610
Spectra	04/13 - 04/20	Analysis Reports for As-Pb: OCF NW / OCF S (vault 1) / Lot 1A
	1	IML Air Science Work Order # S1304382
IML	04/15 04/20	Particulate Network Summary Reports for TSP-As-Pb
		Lot 4B (south gate)
Smaatra	04/22 - 04/26	Spectra Laboratories Project # 2013040781
Spectra	04/22 - 04/20	Analysis Reports for As-Pb: OCF NW / OCF S (vault 1) / Lot 1A
		IML Air Science Work Order # S1305062
IML	04/22 – 04/26	Particulate Network Summary Reports for TSP-As-Pb
		Lot 4B (south gate)

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APR 2 5 2013

04/22/2013

**Point Ruston** 5219 N. Shirley St., Suite 100 Tacoma, WA 98407

Project:

Air Monitoring (hi-vol)

Date Received:

04/08/2013

Spectra Project: 2013040252

Client ID	Spectra #	Analyte	Result	Units	_Method	<u>Matrix</u>	Date Sampled
8611701	1	Arsenic	0.00098		SW846 6020A	Filter	<del></del>
				μg/m3		riiter	04/01/2013
8611701	1	Lead	0.0032	μg/m3	SW846 6020A	Filter	04/01/2013
8691900	2	Arsenic	0.0015	μg/m3	SW846 6020A	Filter	04/01/2013
8691900	2	Lead	0.0038	μg/m3	SW846 6020A	Filter	04/01/2013
8691899	3	Arsenic	0.0013	μg/m3	SW846 6020A	Filter	04/01/2013
8691899	3	Lead	0.0056	μg/m3	SW846 6020A	Filter	04/01/2013
8691898	4	Arsenic	0.00074	μg/m3	SW846 6020A	Filter	04/02/2013
8691898	4	Lead	0.0029	μg/m3	SW846 6020A	Filter	04/02/2013
8691897	5	Arsenic	0.0016	μg/m3	SW846 6020A	Filter	04/02/2013
8691897	5	Lead	0.0032	μg/m3	SW846 6020A	Filter	04/02/2013
8691894	6	Arsenic	0.024	μg/m3	SW846 6020A	Filter	04/03/2013
8691894	6	Lead	0.021	μg/m3	SW846 6020A	Filter	04/03/2013
8691893	7	Arsenic	0.0030	μg/m3	SW846 6020A	Filter	04/03/2013
8691893	7	Lead	0.0096	μg/m3	SW846 6020A	Filter	04/03/2013
8691892	8	Arsenic	0.0039	μg/m3	SW846 6020A	Filter	04/03/2013
8691892	8	Lead	0.010	μg/m3	SW846 6020A	Filter	04/03/2013

SPECTRA LABORATORIES

Steve Hibbs, Laboratory Manager a8/scj

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04/22/2013

**Point Ruston** 5219 N. Shirley St., Suite 100 Tacoma, WA 98407

Project:

Air Monitoring (hi-vol)

Date Received:

04/08/2013 Spectra Project: 2013040252

Client ID	Spectra #	Analyte	Result	Units	Method	Matrix	Date Sampled
8691891	9	Arsenic	0.0026	μg/m3	SW846 6020A	Filter	04/04/2013
8691891	9	Lead	0.0070	μg/m3	SW846 6020A	Filter	04/04/2013
8691890	10	Arsenic	0.0022	μg/m3	SW846 6020A	Filter	04/04/2013
8691890	10	Lead	0.0060	μg/m3	SW846 6020A	Filter	04/04/2013
8691889	11	Arsenic	0.0034	μg/m3	SW846 6020A	Filter	04/04/2013
8691889	11	Lead	0.013	μg/m3	SW846 6020A	Filter	04/04/2013
8691888	12	Arsenic	0.00054	μg/m3	SW846 6020A	Filter	04/05/2013
8691888	12	Lead	0.0021	μg/m3	SW846 6020A	Filter	04/05/2013
8691887	13	Arsenic	0.00062	μg/m3	SW846 6020A	Filter	04/05/2013
8691887	13	Lead	0.0018	μg/m3	SW846 6020A	Filter	04/05/2013
8691886	14	Arsenic	0.0021	μg/m3	SW846 6020A	Filter	04/05/2013
8691886	14	Lead	0.0060	μg/m3	SW846 6020A	Filter	04/05/2013
8691879	15	Arsenic	< 0.00015	μg/m3	SW846 6020A	Filter	04/08/2013
8691879	15	Lead	< 0.00015	μg/m3	SW846 6020A	Filter	04/08/2013

SPECTRA LABORATORIES

Steve Hibbs, Laboratory Manager a8/scj

**CHAIN OF CUSTODY RECORD** 

2013040



PROJ. NO PROJECT NAME CONTAINERS REMARKS Р COMP SAMPLE NUMBER DATE STA# TIME Ö 8611701 4/1/12 DE HIV 11.115 Lit 1A 11412 09-5 4/2/13 GCF HW OG NW Βť 14/13 001-5 11/3 OUF XIW Lot 1A Relinquished (Signature) Received by: (Signature) Date/Time Lab Shipped via: FedEx, UPS or Other DI-SIA 1813 14:55 Relinquished (Signature) Date/Time Received by: (Signature) Relinquished (Signature) Date/Time Received for Laboratory by: (Signature) Date/Time Enclosed: Parameter List with DTLs Cover Letter Split Samples: ]Accepted [ ]Declined COC Form - 7/12 Signature

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04/04/2013

Point Ruston

5219 N. Shirley St.,

Suite 100

Tacoma, WA 98407

Project:

Air Monitoring (hi-vol)

Client ID:

8691896

Sample Matrix: Filter

Date Sampled:

04/02/2013

Date Received: 04/03/2013

Spectra Project: 2013040083

Spectra Number: 1

Rush

Analyte	Result	<u>Units</u>	Method
Arsenic	0.0011	μg/m3	SW846 6020A
Lead	0.0030	μg/m3	SW846 6020A

SPECTRA LABORATORIES

Steve Hibbs, Laboratory Manager

a6/scj

#### CHAIN OF CUSTODY RECORD



PROJ. NO	)		PRO	JEC1	NAME (1+1-VOL)		45		7	7	7	7	7	/ /
PROJ. NO PROJECT NAME (HI-VUL)  AIR MONITORING P.+ RUSTON LLC  SAMPLERS: (Signature)							CONTAINERS							
SAMPLERS: (Signature) /				₹	\(\begin{array}{c} \psi \\ \psi \\ \end{array}\rightarrow{\text{*}}		/ ,	/ ,	/ ,	/ ,	/ /			
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DATE	STA#	TIME	COMP	GRAB	SAMPLE NUMBER		NO. OF							
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	hed ( <i>Signatu</i>				Date/Time	Received by	V				Rema			
Relinquished (Signature)  Date/Time  Received for						Labor	Laboratory by: (Signature			Date/Time End			1	
								Split Samples: [ ]Accepted [ ]Declined				ined		
COC Form - 7/12								Signature						

# Point Ruston Particulate Network Summary - TSP April 1, 2013 thru April 5, 2013

Filter ID	Sampler ID	Runday	Tare Mass	Exposed Mass	Net Mass	Run Time	Std. Volume	Act. Volume	Std. Conc.	Act. Conc.	Comments
			grams	grams	grams	minutes	m <sup>3</sup>	m <sup>3</sup>	μg/m³	μg/m³	
514955	Lot 4B	04/01/13	4.7253	4.7499	0.0246	1398	1810	1726	14	14	
514956	Lot 4B	04/02/13	4.7431	4.7592	0.0161	1433	1856	1760	9	9	
514958	Lot 4B	04/03/13	4.7430	4.7750	0.0320	1431	1843	1753	17	18	
514959	Lot 4B	04/04/13	4.7432	4.7648	0.0216	1438	1851	1765	12	12	
514960	Lot 4B	04/05/13	4.7210	4.7351	0.0141	1435	1889	1811	7	8	

Point Ruston
Particulate Network Summary - As and Pb
April 1, 2013 thru April 5, 2013

Filter ID	Sampler ID	Runday	Act. Volume	Arsenic	Act. Conc.	Lead	Act. Conc.	Comments
			m³	μg/Filter	μg/m³ As	μg/Filter	μg/m³ Pb	
514955	Lot 4B	04/01/13	1726	<2.00	<0.001	2.83	0.001	
514956	Lot 4B	04/02/13	1760	<2.00	<0.001	2.21	0.001	
514958	Lot 4B	04/03/13	1753	<2.00	<0.001	6.20	0.003	
514959	Lot 4B	04/04/13	1765	<2.00	<0.001	5.55	0.003	
514960	Lot 4B	04/05/13	1811	<2.00	<0.001	<2.00	<0.001	

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04/26/2013

**Point Ruston** 5219 N. Shirley St., Suite 100 Tacoma, WA 98407

Project:

Air Monitoring (Hi-Vol)

Date Received:

04/15/2013

Spectra Project:

2013040442

Client ID	Spectra #	Analyte	Result	_Units	Method	Matrix	Date Sampled	
8691885	1	Arsenic	0.0011	μg/m3	SW846 6020A	Filter	04/08/2013	
8691885	1	Lead	0.0014	μg/m3	SW846 6020A	Filter	04/08/2013	
8691884	2	Arsenic	0.00034	μg/m3	SW846 6020A	Filter	04/08/2013	
8691884	2	Lead	0.00074	μg/m3	SW846 6020A	Filter	04/08/2013	
8691883	3	Arsenic	0.00049	μg/m3	SW846 6020A	Filter	04/08/2013	
8691883	3	Lead	0.0028	μg/m3	SW846 6020A	Filter	04/08/2013	
8691882	4	Arsenic	0.00044	μg/m3	SW846 6020A	Filter	04/09/2013	
8691882	4	Lead	0.0012	μg/m3	SW846 6020A	Filter	04/09/2013	
8691881	5	Arsenic	0.00037	μg/m3	SW846 6020A	Filter	04/09/2013	
8691881	5	Lead	0.0011	μg/m3	SW846 6020A	Filter	04/09/2013	
8691880	6	Arsenic	0.00081	μg/m3	SW846 6020A	Filter	04/09/2013	
8691880	6	Lead	0.0019	μg/m3	SW846 6020A	Filter	04/09/2013	
8691878	7	Arsenic	< 0.00015	μg/m3	SW846 6020A	Filter	04/10/2013	
8691878	7	Lead	0.0023	μg/m3	SW846 6020A	Filter	04/10/2013	
8691877	8	Arsenic	< 0.00015	μg/m3	SW846 6020A	Filter	04/10/2013	
8691877	8	Lead	0.0011	μg/m3	SW846 6020A	Filter	04/10/2013	

SPECTRA LABORATORIES

Steve Hibbs, Laboratory Manager a8/scj

Page 1 of 2

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04/26/2013

**Point Ruston** 5219 N. Shirley St., Suite 100 Tacoma, WA 98407

Project:

Air Monitoring (Hi-Vol)

D-4-

Date Received:

04/15/2013

Spectra Project: 2013040442

Client ID	Spectra #	Analyte	Result	Units	Method	Matrix	Date Sampled
8691876	9	Arsenic	< 0.00015	μg/m3	SW846 6020A	Filter	04/10/2013
8691876	9	Lead	0.0021	μg/m3	SW846 6020A	Filter	04/10/2013
8691875	10	Arsenic	0.00027	μg/m3	SW846 6020A	Filter	04/11/2013
8691875	10	Lead	0.0011	μg/m3	SW846 6020A	Filter	04/11/2013
8691874	11	Arsenic	0.00029	μg/m3	SW846 6020A	Filter	04/11/2013
8691874	11	Lead	0.0013	μg/m3	SW846 6020A	Filter	04/11/2013
8691873	12	Arsenic	0.00034	μg/m3	SW846 6020A	Filter	04/11/2013
8691873	12	Lead	0.0022	μg/m3	SW846 6020A	Filter	04/11/2013
8691872	13	Arsenic	0.00020	μg/m3	SW846 6020A	Filter	04/12/2013
8691872	13	Lead	0.00097	μg/m3	SW846 6020A	Filter	04/12/2013
8691871	14	Arsenic	0.00030	μg/m3	SW846 6020A	Filter	04/12/2013
8691871	14	Lead	0.0012	μg/m3	SW846 6020A	Filter	04/12/2013
8691870	15	Arsenic	0.00095	μg/m3	SW846 6020A	Filter	04/12/2013
8691870	15	Lead	0.0069	μg/m3	SW846 6020A	Filter	04/12/2013
8691863	16	Arsenic	< 0.00015	μg/m3	SW846 6020A	Filter	04/15/2013
8691863	16	Lead	< 0.00015	μg/m3	SW846 6020A	Filter	04/15/2013

SPECTRA LABORATORIES

2013040442

#### **CHAIN OF CUSTODY RECORD**



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DATE	STA#	TIME	COMP	GRAB	SAMPLE NUMBER		NO. OF	1	¥						
	our s		×		8691885	il P	1	X							
4/8/13	OCT NW		X		8691884	₩ : :	1	X							
4/8/13	611A		メ		869188]	- <del></del> - <del></del>	1	K							
4/9/13			外、	ļ	8691882	i	1	X							
4/9//3	OCFNW		1	<u> </u>	8691881	<u> </u>	1	X							
4/9/13	LotIA		X		8691880	1	1	X							
4/10/13	045		٦	•	8691878		1	X		<u> </u>				<u> </u>	
4/10/13	OG NW		4	ļ	8691877	1	1	V							
4/15/15	LotIA		*		8691876		1	$\langle$	·						
4/4/13	045		人		869/875		1	X							
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**CHAIN OF CUSTODY RECORD** 

2012040442

POINT	RUSTON
5219 N. Shirley Street,	Suite 100, Tacoma, WA 98407
Phone: 253-752-2185	Fax: 253-752-7083

PROJ. NO	)		PRO	DJEC.	NAME ( #/	-VOL)				/		/		/		/
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Relinquish	ed (Signatu	re)			Date/Time		Received for	Labora	itory b	y: (Sign	ature)	Da	ate/Tim	ne		sed: Parameter List with DTLs Cover Letter
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## Point Ruston Particulate Network Summary - TSP April 8, 2013 thru April 12, 2013

Filter ID	Sampler ID	Runday	Tare Mass	Exposed Mass	Net Mass	Run Time	Std. Volume	Act. Volume	Std. Conc.	Act. Conc.	Comments
			grams	grams	grams	minutes	m <sup>3</sup>	m <sup>3</sup>	μg/m³	μg/m³	
514961	Lot 4B	04/08/13	4.7182	4.7576	0.0394	1427	1919	1818	21	22	
514962	Lot 4B	04/09/13	4.7358	4.7802	0.0444	1439	1925	1806	23	25	
514963	Lot 4B	04/10/13	4.7266	4.7483	0.0217	1430	1851	1763	12	12	
514964	Lot 4B	04/11/13	4.6996	4.7211	0.0215	1437	1922	1803	11	12	
514965	Lot 4B	04/12/13	4.6943	4.7183	0.0240	1435	1857	1737	13	14	

Point Ruston
Particulate Network Summary - As and Pb
April 8, 2013 thru April 12, 2013

Filter ID	Sampler ID	Runday	Act. Volume	Arsenic	Act. Conc.	Lead	Act. Conc.	Comments
			m³	µg/Filter	μg/m³ As	μg/Filter	μg/m³ Pb	
514961	Lot 4B	04/08/13	1818	<2.00	<0.001	<2.00	<0.001	
514962	Lot 4B	04/09/13	1806	<2.00	<0.001	3.41	0.001	
514963	Lot 4B	04/10/13	1763	<2.00	<0.001	<2.00	<0.001	
514964	Lot 4B	04/11/13	1803	<2.00	<0.001	2.15	0.001	
514965	Lot 4B	04/12/13	1737	<2.00	<0.001	2.47	0.001	

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MAY 0 1 2013

04/26/2013

Point Ruston 5219 N. Shirley St., Suite 100 Tacoma, WA 98407

Project:

Air Monitoring (hi-vol)

Date Received:

04/22/2013

Spectra Project: 2013040610

Client ID	Spectra #	Analyte	Result	Units	Method	Matrix	Date Sampled
8691869	1	Arsenic	0.0013	μg/m3	SW846 6020A	Filter	04/15/2013
8691869	1	Lead	0.0026	μg/m3	SW846 6020A	Filter	04/15/2013
8691868	2	Arsenic	0.0020	μg/m3	SW846 6020A	Filter	04/15/2013
8691868	2	Lead	0.0036	μg/m3	SW846 6020A	Filter	04/15/2013
8691867	3	Arsenic	0.0020	μg/m3	SW846 6020A	Filter	04/15/2013
8691867	3	Lead	0.0047	μg/m3	SW846 6020A	Filter	04/15/2013
8691866	4	Arsenic	0.0012	μg/m3	SW846 6020A	Filter	04/16/2013
8691866	4	Lead	0.0039	μg/m3	SW846 6020A	Filter	04/16/2013
8691865	5	Arsenic	0.0015	μg/m3	SW846 6020A	Filter	04/16/2013
8691865	5	Lead	0.0041	μg/m3	SW846 6020A	Filter	04/16/2013
8691864	6	Arsenic	0.0023	μg/m3	SW846 6020A	Filter	04/16/2013
8691864	6	Lead	0.0076	μg/m3	SW846 6020A	Filter	04/16/2013
8691862	7	Arsenic	0.00043	μg/m3	SW846 6020A	Filter	04/17/2013
8691862	7	Lead	0.0031	μg/m3	SW846 6020A	Filter	04/17/2013
8691861	8	Arsenic	0.00070	μg/m3	SW846 6020A	Filter	04/17/2013
8691861	8	Lead	0.0031	μg/m3	SW846 6020A	Filter	04/17/2013

SPECTRA LABORATORIES

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04/26/2013

Point Ruston 5219 N. Shirley St., Suite 100 Tacoma, WA 98407

Project:

Air Monitoring (hi-vol)

Date Received:

04/22/2013

Spectra Project: 2013040610

Client ID	Spectra #	Analyte	Result	Units	Method	Matrix	Date Sampled
8691860	9	Arsenic	0.0011	<u>шд/</u> m3	SW846 6020A	Filter	
8691860	9	Lead	0.0053				04/17/2013
0001000		LCau	0.0055	μg/m3	SW846 6020A	Filter	04/17/2013
8691859	10	Arsenic	0.00061	μg/m3	SW846 6020A	Filter	04/18/2013
8691859	10	Lead	0.0017	μg/m3	SW846 6020A	Filter	04/18/2013
8691858	11	Arsenic	0.00031	/2	CW04C COOO A	F.11.	0.440.000.0
				μg/m3	SW846 6020A	Filter	04/18/2013
8691858	11	Lead	0.0010	μg/m3	SW846 6020A	Filter	04/18/2013
8691857	12	Arsenic	0.00062	μg/m3	SW846 6020A	Filter	04/18/2013
8691857	12	Lead	0.0033	μg/m3	SW846 6020A	Filter	04/18/2013
8691856	13	Arsenic	0.00015		SW946 6020 A	Et.	0.4/1.0/0.013
				μg/m3	SW846 6020A	Filter	04/19/2013
8691856	13	Lead	0.00056	μg/m3	SW846 6020A	Filter	04/19/2013
8691855	14	Arsenic	0.00021	μg/m3	SW846 6020A	Filter	04/19/2013
8691855	14	Lead	0.00067	μg/m3	SW846 6020A	Filter	04/19/2013
0.601.054							•
8691854	15	Arsenic	0.00021	μg/m3	SW846 6020A	Filter	04/19/2013
8691854	15	Lead	0.0022	μg/m3	SW846 6020A	Filter	04/19/2013
8691853	16	Arsenic	0.00043	μg/m3	SW846 6020A	Filter	04/20/2013
8691853	16	Lead	0.0013	. •			
0071055	10	reau	0.0013	μg/m3	SW846 6020A	Filter	04/20/2013

SPECTRA LABORATORIES

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04/26/2013

**Point Ruston** 5219 N. Shirley St., Suite 100 Tacoma, WA 98407

Project:

Air Monitoring (hi-vol)

Date Received:

04/22/2013

Spectra Project: 2013040610

Client ID_	Spectra #	Analyte	Result	Units	Method	Matrix	Date Sampled
8691852	17	Arsenic	0.00051	μg/m3	SW846 6020A	Filter	04/20/2013
8691852	17	Lead	0.0014	μg/m3	SW846 6020A	Filter	04/20/2013
8691845	18	Arsenic	< 0.00015	μg/m3	SW846 6020A	Filter	04/22/2013
8691845	18	Lead	< 0.00015	μg/m3	SW846 6020A	Filter	04/22/2013

SPECTRA LABORATORIES

## 2013040610

# POINT RUSTON 5219 N. Shirley Street, Suite 100, Tacoma, WA 98407 Phone: 253-752-2185 Fax: 253-752-7083

#### **CHAIN OF CUSTODY RECORD**

PROJ. NO	PROJI	CT NAME	Ruston LC	*.	S		7		/ /		
AIR MON'TOEIN(G, SAMPLERS: (Signature)		Pt	Ruston LLC	718	CONTAINERS		No.	/ /			
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HISTORIA IA	X	86	91867	: (\$\delta_{\text{c}}\)	溪	X					
Julis oct 5	×		91866			X				<u> </u>	
4/16/13 OCF NW	K	86	91865	在 <b>湖</b> ;		X					
1/16/13 Lot 1A	X	86	91864	*		マ				<u> </u>	
Minlis oct s	X	86	691862		!	X					
UMAN OCENW	人		691861	WA.		<u> </u>					
1/1/1/ Lot 14	人	8	691860	ţ	l t	X					
1/18/13 GCE S	K		691859	eringer.		_			<u> </u>		
HISTIT OCENW	<u> </u>		691.858	· ·		X				<u> </u>	
4/B/B L.+1A	人	8	691857	i <sub>k</sub> :	1	*					
HIGHIS OCES	<u> </u>	8	691856	3, 3,	1	义					
4/19/13 3CC NIN	X		691855		<u> </u>	X					
4/19/13 Lot 1A	人	8	691854	· · · · · · · · · · · · · · · · · · ·	1	$  \times  $	<u> </u>			,	
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Relinquished ( <i>Signature</i> )			Date/Time	Received for	Labora	atory b	y: (Signat	ure) [	Date/Tir	ne	Enclosed:  Parameter List with DTLs  Cover Letter
COC Form - 7/12	:			}					Sample cepted		nedSignature

2013040610

# POINT RUSTON 5219 N. Shirley Street, Suite 100, Tacoma, WA 98407 Phone: 253-752-2185 Fax: 253-752-7083

#### **CHAIN OF CUSTODY RECORD**

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DATE	STA#	TIME	COMP	GRAB	SAMPLE NUMBER		NO. OF CONTAINERS		$\nearrow$					
4/20/13	OCIS		×		8691853		1	X						
4/20/13	OCK NU		人		8691853 8691852		1	X						
14/22/15	OCE NU Control				8691845		1	×						
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	ned (Signatui				Date/Time	Received by					Rema	arks		
Relinquish	ned (Signatui	re)			Date/Time	Received for	Labora	atory b	y: (Sigr	nature)		ate/Tin		Enclosed:  Parameter List with DTLs  Cover Letter
												Sample epted (		
COC Form	- 7/12				·						[ ]Aca	ebied [	joedii	Signature

## Point Ruston Particulate Network Summary - TSP April 15, 2013 thru April 20, 2013

Filter ID	Sampler ID	Runday	Tare Mass	Exposed Mass	Net Mass	Run Time	Std. Volume	Act. Volume	Std. Conc.	Act. Conc.	Comments
			grams	grams	grams	minutes	m <sup>3</sup>	m <sup>3</sup>	μg/m³	μg/m³	
514966	Lot 4B	04/15/13	4.7012	4.7233	0.0221	1432	1874	1761	12	13	
514967	Lot 4B	04/16/13	4.7214	4.7530	0.0316	1433	1926	1808	16	17	
514968	Lot 4B	04/17/13	4.7040	4.7301	0.0261	1445	1943	1820	13	14	
514969	Lot 4B	04/18/13	4.7252	4.7359	0.0107	1432	1925	1797	6	6	
514970	Lot 4B	04/19/13	4.7212	4.7299	0.0087	1406	1880	1773	5	5	
514971	Lot 4B	04/20/13	4.7349	4.7449	0.0100	1430	1913	1804	5	6	

Point Ruston
Particulate Network Summary - As and Pb
April 15, 2013 thru April 20, 2013

Filter ID	Sampler ID	Runday	Act. Volume	Arsenic	Act. Conc.	Lead	Act. Conc.	Comments
			m³	μg/Filter	μg/m³ As	μg/Filter	μg/m³ Pb	
514966	Lot 4B	04/15/13	1761	<2.00	<0.001	3.41	0.001	
514967	Lot 4B	04/16/13	1808	4.72	0.002	6.09	0.003	
514968	Lot 4B	04/17/13	1820	<2.00	<0.001	3.79	0.002	
514969	Lot 4B	04/18/13	1797	<2.00	<0.001	<2.00	<0.001	
514970	Lot 4B	04/19/13	1773	<2.00	<0.001	<2.00	<0.001	
514971	Lot 4B	04/20/13	1804	<2.00	<0.001	<2.00	<0.001	

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05/09/2013

Point Ruston 5219 N. Shirley St., Suite 100 Tacoma, WA 98407

Project: Air Monitoring (Hi-Vol)

Date Received: 04/29/2013 Spectra Project: 2013040781

Client ID	Spectra #	Analyte	Result	Units	Method	Matrix	Date Sampled
8691850	1	Arsenic	0.0017	μg/m3	SW846 6020A	Filter	04/22/2013
8691850	1	Lead	0.0030	$\mu g/m3$	SW846 6020A	Filter	04/22/2013
8691849	2	Arsenic	0.00085	µg/m3	SW846 6020A	Filter	04/22/2013
8691849	2	Lead	0.0024	$\mu g/m3$	SW846 6020A	Filter	04/22/2013
8691848	3	Arsenic	0.00083	$\mu g/m3$	SW846 6020A	Filter	04/22/2013
8691848	3	Lead	0.0028	μg/m3	SW846 6020A	Filter	04/22/2013
8691847	4	Arsenic	0.00090	$\mu g/m3$	SW846 6020A	Filter	04/23/2013
8691847	4	Lead	0.0021	μg/m3	SW846 6020A	Filter	04/23/2013
8691846	5	Arsenic	0.00063	µg/m3	SW846 6020A	Filter	04/23/2013
8691846	5	Lead	0.0017	μg/m3	SW846 6020A	Filter	04/23/2013
8691844	6	Arsenic	18000.0	$\mu g/m3$	SW846 6020A	Filter	04/23/2013
8691844	6	Lead	0.0031	µg/m3	SW846 6020A	Filter	04/23/2013
8691843	7	Arsenic	0.0013	$\mu g/m3$	SW846 6020A	Filter	04/23/2013
8691843	7	Lead	0.0024	$\mu g/m3$	SW846 6020A	Filter	04/23/2013
8691842	8	Arsenic	0.0012	$\mu g/m3$	SW846 6020A	Filter	04/24/2013
8691842	8	Lead	0.0023	$\mu g/m3$	SW846 6020A	Filter	04/24/2013

SPECTRA LABORATORIES

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05/09/2013

Point Ruston 5219 N. Shirley St., Suite 100 Tacoma, WA 98407

Project:

Air Monitoring (Hi-Vol)

Date Received: 04/29/2013 Spectra Project: 2013040781

Client ID	Spectra #	Analyte	Result	Units	Method	Matrix	Date Sampled
8691841	9	Arsenic	0.00077	$\mu g/m3$	SW846 6020A	Filter	04/24/2013
8691841	9	Lead	0.0019	$\mu g/m3$	SW846 6020A	Filter	04/24/2013
8691840	10	Arsenic	0.00054	µg/m3	SW846 6020A	Filter	04/25/2013
8691840	10	Lead	0.0012	$\mu g/m3$	SW846 6020A	Filter	04/25/2013
8691839	11	Arsenic	0.00081	$\mu g/m3$	SW846 6020A	Filter	04/25/2013
8691839	11	Lead	0.0014	$\mu g/m3$	SW846 6020A	Filter	04/25/2013
8691838	12	Arsenic	0.0013	$\mu g/m3$	SW846 6020A	Filter	04/25/2013
8691838	12	Lead	0.0039	$\mu g/m3$	SW846 6020A	Filter	04/25/2013
8691837	13	Arsenic	0.00052	μg/m3	SW846 6020A	Filter	04/26/2013
8691837	13	Lead	0.0014	$\mu g/m3$	SW846 6020A	Filter	04/26/2013
8691836	14	Arsenic	0.00054	µg/m3	SW846 6020A	Filter	04/26/2013
8691836	14	Lead	0.00090	$\mu g/m3$	SW846 6020A	Filter	04/26/2013
8691835	15	Arsenic	0.00080	μg/m3	SW846 6020A	Filter	04/26/2013
8691835	15	Lead	0.0032	$\mu g/m3$	SW846 6020A	Filter	04/26/2013
8691826	16	Arsenic	< 0.00015	μg/m3	SW846 6020A	Filter	04/29/2013
8691826	16	Lead	< 0.00015	$\mu g/m3$	SW846 6020A	Filter	04/29/2013

SPECTRA LABORATORIES

CHAIN OF CUSTODY RECORD

2013040781



PROJECT NAME PROJ. NO CONTAINERS REMARKS OF COMP GRAB SAMPLE NUMBER STA# TIME S. DATE X DEFS 大 113 OCF NU ox 13 OCES 4/24/13 OCF NW 人 K × 1X Date/Time Received by: (Signature) Lab Shipped via: FedEx, UPS or Other pectra 29/13 15:03 Air Bill # Relinquished (Signature) Date/Time Received by: (Signature) Date/Time Received for Laboratory by: (Signature) Date/Time Enclosed: Relinquished (Signature) Parameter List with DTLs Cover Letter Split Samples: [ ]Accepted [ ]Declined\_ COC Form - 7/12 Signature

POINT RUSTON

5219 N. Shirley Street, Suite 100, Tacoma, WA 98407

Phone: 253-752-2185

Fax: 253-752-7083

#### CHAIN OF CUSTODY RECORD

2013040781

ALR M SAMPLER	lon for Rs: (Signatur A	ing re)	PRO	P	NAME + Co	uton uc	4	OF CONTAINERS							REMARKS
DATE	STA#	TIME	COMP	GRAB		SAMPLE NUME	BER	NO. OF		Y					
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Relinquis	hed ( <i>Signatu</i>	ıre)			en de en	Date/Time	Received f	or Labor	ratory b	oy: (Sig	nature)	D	ate/Tir	me	Enclosed:  Parameter List with DTLs  Cover Letter
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COC Form	- 7/12														Signature

## Point Ruston Particulate Network Summary - TSP April 22, 2013 thru April 26, 2013

Filter ID	Sampler ID	Runday	Tare Mass	<b>Exposed Mass</b>	Net Mass	Run Time	Std. Volume	Act. Volume	Std. Conc.	Act. Conc.	Comments
			grams	grams	grams	minutes	m³	m <sup>3</sup>	μg/m³	μg/m³	
514972	Lot 4B	04/22/13	4.7517	4.7777	0.0260	1432	1925	1806	14	14	
514973	Lot 4B	04/23/13	4.7209	4.7555	0.0346	1432	1915	1806	18	19	
514974	Lot 4B	04/24/13	4.6862	4.7192	0.0330	1433	1876	1792	18	18	
514975	Lot 4B	04/25/13	4.7085	4.7428	0.0343	1426	1867	1790	18	19	
514976	Lot 4B	04/26/13	4.7131	4.7382	0.0251	1435	1847	1770	14	14	

Point Ruston
Particulate Network Summary - As and Pb
April 22, 2013 thru April 26, 2013

Filter ID	Sampler ID	Runday	Act. Volume	Arsenic	Act. Conc.	Lead	Act. Conc.	Comments
			m³	μg/Filter	μg/m³ As	μg/Filter	μg/m³ Pb	
514972	Lot 4B	04/22/13	1806	<2.00	<0.001	3.89	0.002	
514973	Lot 4B	04/23/13	1806	<2.00	<0.001	6.63	0.003	
514974	Lot 4B	04/24/13	1792	<2.00	<0.001	5.64	0.003	
514975	Lot 4B	04/25/13	1790	<2.00	<0.001	5.41	0.003	
514976	Lot 4B	04/26/13	1770	<2.00	<0.001	3.94	0.002	

#### **PORTABLE**

#### **AIR**

#### **MONITORING**

#### **DATA**

## (LOW VOLUME)

Reference	Date	Description
		Spectra Laboratories Project # 2013050099
Spectra	04/30 - 05/01	Analysis Reports for As-Pb: Peninsula Fence Line
-		(mistakenly labeled "Water Walk Air Monitoring")
	<del></del>	

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05/09/2013

Point Ruston 5219 N. Shirley St., Suite 100 Tacoma, WA 98407

Project:

Water Walk Air Monitoring

Date Received:

05/06/2013

Spectra Project: 2013050099

Client ID	Spectra #	Analyte	Result	Units	Method	Date <u>Matrix</u> Sampled	
043013-500	1	Arsenic	< 0.004	$\mu g/m3$	SW846 6020A	Air Cassette 04/30/2013	
043013-500	1	Lead	< 0.004	$\mu g/m3$	SW846 6020A	Air Cassette 04/30/2013	
050113-250	2	Arsenic	< 0.004	μg/m3	SW846 6020A	Air Cassette 05/01/2013	
050113-250	2	Lead	< 0.004	$\mu g/m3$	SW846 6020A	Air Cassette 05/01/2013	

SPECTRA LABORATORIES

CHAIN OF CUSTODY RECORD

Fax: 253-752-7083 PROJ. NO waterwalk OF CONTAINERS ALR Monitoring
SAMPLERS: (Signature) REMARKS COMP GRAB SAMPLE NUMBER DATE | STA# TIME 043013-500 050113-250 SAMPLE LUG INFUSHETT (2) 4/30/13 Pen. 5 5/1/13 Pen. 5 Received by: (Signature) Relinquished (Signature) Date/Time Shipped via: FedEx, UPS Spectra Air Bill # Received by: (Signature) Relinquished (Signature) Received for Laboratory by: (Signature) Date/Time Relinquished (Signature) Date/Time Enclosed: Parameter List with DTLs Cover Letter Split Samples: ]Accepted [ ]Declined COC Form - 7/12 Signature

Monthly Report 203, April 2013 Operable Unit 02 Asarco Tacoma Smelter Site

#### **METHANE**

#### **MONITORING**

#### **DATA**

Reference	Date	Description	-
Bldg 2B	04/16/13	Gas Monitoring Data Form / Calibration Worksheet	
Bldg 2B	Apr. 2013	Methane Monitoring – DATA LOG	
•			

#### **Gas Monitoring Data Form / Calibration Worksheet**

Build	ing 2B					Λ		ı		
4/16	/13	<del></del>	Name	of Sample C	ollector:		rt h	JILK	SER	<u>-</u>
ial Calantifia			NAAO / S			· · ·			2005.040.00	
iai Scientific	₩C	oaei:	10140 / 5		-	Ser	riai Number:		J&U6U49-98	<del></del>
oration Date of G	as Monito	r:	Nove	ember 1, 20	11	·	Pump Rate of	Gas Meter:	.5 SCFH (	0.25 LPM)
ition										
-463-4 Cyl:		Calib	ration Gas:	O₂, LE	L, CO, H	<sub>2</sub> S, N	Cai	nister Exp.:	6/11/	14
ON:	Date:	4/	16/	13			Time:	9:39		
Sensor Type	Gas 1	Гуре	Span Gas	Span Reserve	ŀ	•	Alarm Low	Alarm High	Alarm TWA	Alarm STEL
ombustible-LEL	Meth	nane	50	82		p				
drogen Sulfide	Hydrogei	n Sulfide	25	53		p				
Oxygen	Оху	gen	19	37/303		ρ				
Barometric	Pressure:	30,36				ve4				
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uha					<u> </u>		<del></del>			
Start Time	Stop Time	Initial % LEL	Stabilized % LEL	By Volume	% O₂	H <sub>2</sub> S (ppm)		No	tes	
9:58	10509	0	0	$\bigcirc$	20.3	0				,
10:12	10:22	$\mathcal{O}$	0	0	20.5	0				
10:24	10:34	0	0	Ò	20.2	0				
10:36	10:46	0	0	0	20.3	0		<del></del>	· · · · · · · · · · · · · · · · · · ·	
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	ial Scientific  pration Date of G  pratic Date of G  prati	ial Scientific Monator Date of Gas Monitor Stion  ON: Date:  Densor Type Gas Tombustible-LEL Methodrogen Sulfide Hydrogen Oxy  Barometric Pressure:  Other Time Time  9:58 10:09  10:24 10:34	ial Scientific Model:  pration Date of Gas Monitor:  Stion  ON: Date: 4/  Sensor Type Gas Type  Ombustible-LEL Methane  Indrogen Sulfide Hydrogen Sulfide  Oxygen Oxygen  Barometric Pressure: 30,36  Section: E Other Relevant Coube  Start Stop Initial Time Time KLEL  9:58 1019  10:14 10:22  10:24 10:34	ial Scientific Model: M40 / Scration Date of Gas Monitor: Novembration  Date: 4 / 6 / Span Gas  Date: 5 / 6 / Span Gas  Date: 5 / 7 / 6 / Span Gas  Date: 5 / 7 / 6 / Span Gas  Date: 6 / 7 / 6 / Span Gas  Date: 6 / 7 / 6 / Span Gas  Date: 7 / 7 / 6 / Span Gas  Date: 9 / 7 / 6 / Span	Name of Sample Contains and Contains:    Aligna   Contains   Conta	Name of Sample Collector:  ial Scientific Model: M40 / SP40  pration Date of Gas Monitor: November 1, 2011  Intion  Output  Ou	Name of Sample Collector:    A	Name of Sample Collector:    A	Name of Sample Collector:    A	Name of Sample Collector:    A

#### Certification:

To the best of my knowledge, the information reported and statements made on this data submittal and attachments are true and

SIGNATURE:

4/16/13 DATE:

#### METHANE MONITORING - DATA LOG

#### Point Ruston, LLC

#### **Building 2B**

,	Well	Date	Temperature	Use	lrogen Sulfide		0	Combustible LEL
				-	1	1	Oxygen	(Methane)
Period	Location	Time	С	Reading	TWA	STEL	Reading	Reading
4	Calibrate	4/16/2013 9:37	20	0	0	0	20.9	0
5	Calibrate	4/16/2013 9:40	20	0	0	0	20.9	0
5	Calibrate	4/16/2013 9:41	20	0	0	0	20.9	0
6	2BW001	4/16/2013 9:55	18	0	0	0	21.1	0
6	2BW001	4/16/2013 9:56	19	0	0	0	20.6	0
6	2BW001	4/16/2013 9:57	19	0	0	0	20.6	0
6	2BW001	4/16/2013 9:58	19	0	0	0	20.6	0
6	2BW001	4/16/2013 9:59	19	0	0	0	20.9	0
6	2BW001	4/16/2013 10:00	20	0	0	0	20.9	0
6	2BW001	4/16/2013 10:01	20	0	0	0	20.9	0
6	2BW001	4/16/2013 10:02	20	0	0	0	20.7	0
6	2BW001	4/16/2013 10:03	20	0	0	0	20.5	0
6	2BW001	4/16/2013 10:04	20	0	0	0	20.5	0
6	2BW001	4/16/2013 10:05	20	0	0	0	20.4	0
6	2BW001	4/16/2013 10:06	21	0	0	0	20.4	0
6	2BW001	4/16/2013 10:07	21	0	0	0	20.3	0
7	2BW002	4/16/2013 10:10	20	0	0	0	20.9	0
7	2BW002	4/16/2013 10:11	20	0	0	0	20.7	0
7	2BW002	4/16/2013 10:12	20	0	0	0	20.9	0
7	2BW002	4/16/2013 10:13	20	0	0	0	20.9	0
7	2BW002	4/16/2013 10:14	20	0	0	0	20.7	0
7	2BW002	4/16/2013 10:15	20	0	0	0	20.6	0
7	2BW002	4/16/2013 10:16	20	0	0	0	20.6	0
7	2BW002	4/16/2013 10:17	19	0	0	0	20.6	0
7	2BW002	4/16/2013 10:18	19	0	0	0	20.6	0
7	2BW002	4/16/2013 10:19	19	0	0	0	20.5	0
7	2BW002	4/16/2013 10:20	19	0	0	0	20.5	0
8	2BW003	4/16/2013 10:22	18	0	0	0	20.9	0
8	2BW003	4/16/2013 10:23	18	0	0	0	20.5	0
8	2BW003	4/16/2013 10:24	18	0	0	0	20.5	0
88	2BW003	4/16/2013 10:25	18	0	0	0	20.4	0
9	2BW003	4/16/2013 10:27	18	0	0	0	20.6	0
9	2BW003	4/16/2013 10:28	18	0	0	0	20.5	0
9	2BW003	4/16/2013 10:29	18	0	0	0	20.4	0
9	2BW003	4/16/2013 10:30	18	0	0	0	20.3	0
9	2BW003	4/16/2013 10:31	18	0	0	0	20.2	0
9	2BW003	4/16/2013 10:32	18	0	0	0	20.2	0
10	2BW004	4/16/2013 10:35	17	0	0	0	20.9	0
10	2BW004	4/16/2013 10:36	17	0	0	0	20.6	0
10	2BW004	4/16/2013 10:37	18	0	0	0	20.5	0
10	2BW004	4/16/2013 10:38	18	0	0	0	20.6	0
10	2BW004	4/16/2013 10:39	18	0	0	0	20.5	0
10	2BW004	4/16/2013 10:40	18	0	0	0	20.6	0
10	2BW004	4/16/2013 10:41	18	0	0	0	20.5	0
10	2BW004	4/16/2013 10:42	18	. 0	0	0	20.4	0
10	2BW004	4/16/2013 10:43	18	0	0	0	20.3	0
10	2BW004	4/16/2013 10:44	18	0	0	0	20.3	0
11	Sync	4/24/2013 14:31	21	0	0	0	20.9	0

Monthly Report 203, April 2013 Operable Unit 02 Asarco Tacoma Smelter Site

#### **MISCELLANEOUS**

#### **TEST**

#### **SAMPLING**

#### **DATA**

## (SOIL – DEBRIS – WATER – ETC.)

Reference	Sample Date	Description			
Einal Can	04/09/13	Spectra Labs Project # 2013040284. Imported pea			
Final Cap	04/09/13	gravel for under-slab fill at 2B-East.			
Haul	04/17/13 &	Internal XRF – Protection from Remedial Activities.			
Roads	04/22/13	Waterwalk Public Access and Use Plan (Section C.3)			
Watanyalla	04/24/13	Internal XRF – Waterwalk Final Cap Sampling Along			
Waterwalk	04/24/13	Back Edge of Shoreline Armoring.			

2221 Ross Way • Tacoma, WA 98421 • (253) 272-4850 • Fax (253) 572-9838 •

www.spectra-lab.com

04/26/2013

**Point Ruston** 5219 N. Shirley St., Suite 100

Tacoma, WA 98407

Project:

Bldg 2B

Client ID:

CPDP-SAM-62-A1

Sample Matrix: Solid

Date Sampled: 04/09/2013

Date Received: 04/10/2013

Spectra Project: 2013040284

Spectra Number: 1

Analyte	Result	Units	Method
Diesel	<10.0	mg/Kg	NWTPH-D
Oil	<100	mg/Kg	NWTPH-D
Arsenic	< 5	mg/Kg	SW846 6010B
Lead	< 4	mg/Kg	SW846 6010B
PCB	<0.1	mg/Kg	SW846 8082A

Surrogate	Recovery	Method
Decachlorobiphenyl	106	SW846 8082A
p-Terphenyl	91	NWTPH-D

SPECTRA LABORATORIES

Steve Hibbs, Laboratory Manager

a6/mlh

# POINT RUSTON 5219 N. Shirley Street, Suite 100, Tacoma, WA 98407 Phone: 253-752-2185 Fax: 253-752-7083

#### **CHAIN OF CUSTODY RECORD**

2015040284

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<b>COC Form</b>	i - //12										ı			Signature

In-House (XRF)

#### Point Ruston Waterwalk Public Access and Use Plan

Protections from Remedial Activities (Section C.3)

Average

30.82

32.05

5-point composite sampling done at four clean haul road locations to ensure that arsenic measures <100 ppm.

Sample Date (or) Reading No.	Sample/Reading Time	Туре	Duration	Units	Sequence	Sample Number	Site Code	Sample Depth	Subunit	Sample Type	Pb	As
3	4/17/2013 11:11	BULK	60	ppm	Final	HR01-FYI-01-A1	HR01	Α	1		19.99	37.63
4	4/17/2013 11:56	BULK	60	ppm	Final	HR02-FYI-01-A1	HR02	A	1		24.19	9.69
5	4/17/2013 12:41	BULK	60	ppm	Final	HR03-FYI-01-A1	HR03	А	1		25.14	19.74
6	4/17/2013 13:25	BULK	60	ppm	Final	HR04-FYI-01-A1	HR04	A	1		48.17	46.78
4	4/22/2013 12:33	BULK	90	ppm	Final	HR05-FYI-01-A1	HR05	Α	1		36.63	46.42

HR04-FYI-01-A1 HR01-FYI-01-A1 HR02-FYI-01-A1

Monthly Report 203, April 2013 Operable Unit 02 Asarco Tacoma Smelter Site

#### **MISCELLANEOUS**

#### **INFORMATION**

Reference	Date	Description	
Memo	04/08/13	Recent Area Earthquakes (Seismic Events)	
Zone Plan	04/01/13	Updated Zone Plan for lower site	
Zone Plan	04/16/13	Updated Zone Plan for lower site (TIC 17, 18 & 16)	
Zone Plan	04/23/13	Updated Zone Plan for lower site (2B-E, TIC 12)	

5219 N. Shirley Street, Suite 100 Tacoma, WA 98407 Phone: 253-752-2185

Fax: 253-752-7083



#### **MEMORANDUM**

April 8, 2013

SUBJECT: RECENT AREA EARTHQUAKES (SEISMIC EVENTS)

The OCF-OMMP addresses response to earthquake events under section 2:

#### 2.1.7 Earthquake Damage

"Should a significant seismic event occur in close proximity to the OCF, a postearthquake inspection will be completed to assess potential damage to the OCF embankment and cover system. A two-tier inspection program will be used to allow for a rapid assessment of earthquake damage. The first-tier will consist of a preliminary inspection that will be followed up by a more detailed assessment and evaluation (secondtier). First-tier inspection activities will be initiated within 48 hours of the seismic event. The need and schedule for second-tier activities will be identified based on the results from the First-Tier inspection.

Table 2-4 identifies the requirements for potential earthquake inspection at the OCF."\*\*

On April 7, 2013 at about 01:57 AM a magnitude 3.5 earthquake was reported approximately 12.5 miles west-northwest (WNW) of the Onsite Containment Facility (OCF), near Key Center, WA. Tremors were reported felt as far north as Oak Harbor, WA and as far south as Graham, WA. Intensity in the Tacoma area was reported as "weak" to "light" with no damage. An inspection for visual damage of the OCF Cap and Embankment, Benchmarks, and LCRS & LDCRS Systems was completed at about 18:00 on April 8<sup>th</sup> following the earthquake. No visible damages or impacts to the OCF, leachate collection systems were noticed. A First-Tier Inspection was not conducted as there were no noticeable effects and the quake was not considered to be a significant seismic event\*\*.

Sincerely,

Tim Rusher

Construction Oversight/Health & Safety Officer

TABLE 2-4. POST-EARTHQUAKE DAMAGE INSPECTION REQUIREMENTS

Item	Inspection	First-Tier Inspection	Second-Tier Inspection
OCF Cap and Embankment	Visual damage	Inspect OCF cap for visual damage, gross displacements, cracked or damaged concrete or sidewalks, cracked embankment fill, sand boils from foundation outboard of embankment, damaged irrigation system and other visual damage.	Possible subsurface investigation of damaged areas and assessment of postearthquake embankment stability.
Benchmarks	Horizontal and vertical displacement	Survey OCF benchmarks and tie with site wide controls.	Evaluate monument displacement. Assess need for and conduct ongoing monitoring.
LCRS and LDCRS	Operation and leachate volumes	Inspect pumps, piping, electrical, leachate tank, vault, and instrumentation and phone dialer/alarm system.	Evaluate post-earthquake LDCRS flow rate and compare with rate for previous reporting period.
Cap underdrain systems	System integrity and function.	Complete visual inspection of manholes and drainpipe inverts, and drain system outfall.	Perform visual inspection of drain system operation during storm event following earthquake. Conduct subsurface investigation to evaluate integrity of drainpipe in areas of apparent damage.

The United States Geological Society (USGS) defines a "Significant" earthquake as, "[E]arthquakes of magnitude 6.5 or greater or ones that caused fatalities, injuries or substantial damage".

USGS historical listings of "significant" global earthquakes between 1977 and 2010 do not record any earthquakes below 3.0 magnitude. Earthquake magnitude, local shaking, damage reports and proximity should be considered when determining the level of inspection needed outlined in the OCF-OMMP.

<sup>\*\*</sup>Comments regarding "significant seismic event"





